THE HARMONY AND FUNCTIONS OF COLOUR

IN ART.*

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of white lead. For water colour Chinese white is mostly used. It is a preparation of white oxide of zinc mixed with gum arabic, glycerine, etc., and especially in body colour work, is most valuable. The primary colour Red is, as we found, the most positive of colours. Being so, it is somewhat difficult to manage, and has to be used very spar-ingly. If you will notice, a touch of red here and there in a picture will brighten it up, and draw attention to itself in the most surprising manner. Nature uses red with very great reserve, and when used, takes great care to tone it down with green or other soothing colour. Vermillion if of the genuine kind is a good durable colour, and has great body and weight, but for this reason you will find it will not readily mix with other colours.

mix with other colours. Indian Red is brought from Bengal, and is an iron ore or peroxide of iron. It is permanent and very opaque. Light Red is a brown ochre, burned, and is very useful for flesh tints and

Lake is a very transparent pigment, and is of several kinds. The scarlet lake is obtained from cochineal, and washes well; it is, however, liable to

lake is obtained from cochineal, and washes well; it is, however, liable to fade in strong light.
The carmines are also obtained from the cochineal, and work well, but are liable to fade in strong light, and are not permanent with white lead. Blue is the coldest and most returing of the primaries, and cools and tones down all colours with which it is in combination.
Ultramarine is perhaps the most beautiful blue that we have, and is prepared from the lopis lazuli, a precious stone found in Persia, etc. It is very transparent and pure, and has great brilliancy and permanency. It is largely used for skies. Unfortunately it is often adulterated, its costliness being a strong temptation. Largely used for skies. Unfortunately it is often adulterated, its costliness being a strong temptation. Cobalt is prepared with metallic cobalt or its oxides, and is next to ultra-other. It is permanent so far, but is affected by time. Prussian Blue is formed from prussic acid, iron and alumnia, and is a ladeep and strong blue of great body and transparency. Indigo is got from plants in the East and West Indies; it is also very it is fugitive and is not so reliable as Prussian blue. Yellow is the remaining primary, and is the nearest to light; in varying in old manuscript.

in old manuscript. Chromes are a modern discovery, and are mostly chromates of lead. They are brilliant and beautiful, but are not safe colours, as after a time

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they lose their purity and become dull and heavy. They are also injurious

they lose their purity and become dull and heavy. They are also injurious to some blues when mixed. Naples Yellow is a compound of oxides of lead and antimony, and was originally prepared at Naples, hence its name. It is a pleasant warm tint, is opaque and covers well, and in an oil medium is permanent and good, but will ultimately change its colour, in water colours, and must not come in contact with oxides of iron of any kind. Yellow ochre is a native pigment found in most countries. The ochres are very useful and practically permanent. Raw Sienna is an iron ore, but it is very useful and is transparent, and best of all, is permanent. Cadmium Yellow is prepared in different shades and is a strong, light, pure useful colour ; it is prepared from the metal cadmium, by precipitation with solution of sulphuretted hydrogen. It is permanent and good. Gamboge is obtained from certain trees in India, and is of a gummy resinous nature. It is a bright, transparent, delicate yellow, and is exceed-ingly useful, not being affected much by sunlight or impure air, but it does not show in gaslight.

resinous nature. It is a bright, transparent, delicate yellow, and is exceedingly useful, not being affected much by sunlight or impure air, but it does not show in gaslight. Indian Yellow has been long used in India, and is a beautiful, pure yellow, but it is not lasting, and in oils is very fugitive; it has a very strong unpleasant smell, and is not a safe colour. We will not for the present take up the secondary and tertiary colours, as they are in large measure products of the primaries, and the subject is too large to treat properly just now, but rather go on to look at color as illustrated in painting, architecture and sculpture, and first of painting. All painting was originally a hand-maid to architecture, that is, was employed to beautify parts of a building, and was incorporated as part of the same in fresco and tempora work, and therefore, being painted for, and actually at a particitlar spot, its colour was made to harmonize with its position. The modern pictures, or, as we would say, easel pictures, and tiring. Every picture is out of sympathy and tone with its neighbor, and if by very skillul hanging this is in any way modified, it can never be wholly got rid of. This is also true to a certain extent in our houses i pictures are bought and hung on our wall which are out of touch and toring rule. What we call oil painting was practically not known, at least in its modern form, until the beginning of the r1sth century. When the brothers, Van Eyck, the Flemist painters, may be said to have discovered it. Nearly all the work done previously to that time was in distemper, and therefore more suited to permanent positions on the walls of churches and other borders.

Note suited to permanent positions on the walls of churches and other buildings. Vasari tells us that Jan Van Eyck, who delighted in alchemy, set himself to try various kinds of colours and oils to make varnishes, as artists at that and could be washed without losing colour. He made many experiments and at last found that oil of linseed and oil of nuts were the best for dryng. He also saw that when the colours were mixed with these oils, not only ware they safe from injury by water, but the colours also had more lustre, and soon spread in Flanders. Even the Flemish artists endeavored to keep the and so that oil of Venetian painters disguising themselves and going to Belgium to try to learn this secret. One Antonello, of Messina, was so Naples, that he set off for Belgium, and by dint of giving Jan Van Eyck numerous presents and flattering him, he got the secret, and returning to thay, settled in Venice and painted many pictures in this new method, which could be kept secret no longer, and was rapidly adopted by other artists.

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