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ABSTRACT

An ink and ink set characterized in that both a combination of a specific wetting agent, a penetrating agent, and a water-soluble organic solvent and use of a surfactant, particularly a fluorine surfactant are enabled by using a water dispersion in which polymer fine particles contain a coloring material. Even when a plain paper is printed at high speed by an ink-jet recording by using this ink and ink set, the ink and ink set can realize a pigment ink for ink-jet recording, an ink set, an ink-jet recording method, an ink cartridge, and a recorder which have an excellent ejection stability and an excellent preservability, and provide (1) good color tone, (2) high image density, (3) a recorded image free of unsharpness near a character or image and feathering and high in sharpness, (4) less boundary color bleedings between different colors, (5) an image adaptable to both-side printing and causing less strike-throughs, and (6) image fastness such as water resistance and light resistance.