[Claim 10~~11~~]

A storage medium storing a program for causing a computer to execute:

acquisition processing of acquiring an input image including an eye region that is a region of an eye part;

estimation processing of estimating illuminance of the eye part from the acquired input image; and

determination processing of determining a light amount of illumination of visible light with which the eye part is to be irradiated in such a way that a pupil size of the eye part satisfies a size condition based on an illuminance size relationship that is a relationship between the illuminance and the pupil size.