Improving Image Quality: Using Levels & Histograms

Adobe Photoshop



A black-point and white-point slider define the highlights and shadows of the image. By simply moving the two points to where the pixels begin and end in the histogram, the luminance values are redistributed and result in a higher contrast image.

Note: do not adjust an image solely based on the histogram. Confirm the change with the image. Old photographs rarely have a pure black or white and matching the black and white points to the histogram will be too harsh.



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The histogram can be used to eliminate backgrounds. The large spike at the right of the histogram represents the paper of the scanned document. By moving the white-point slider to the left of that information, the paper background is turned to white removing the detail. The black-point and gamma slider can be used to darken the black text.