Colors in Art History

WHAT CAN THE COLORS OF A PAINTING TELL ABOUT IT'S TIME CONTEXT?

A COMPUTER VISION APPROACH

Universidade Federal de Minas Gerais
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Data

SemArt

Aston University Library Service

COLLECTED FROM THE WEB GALLERY OF ART (HTTPS://WWW.WGA.HU/) IS A CORPUS WITH 21,384 SAMPLES THAT PROVIDES ARTISTIC COMMENTS ALONG WITH FINE-ART PAINTINGS AND THEIR ATTRIBUTES FOR STUDYING SEMANTIC ART UNDERSTANDING.
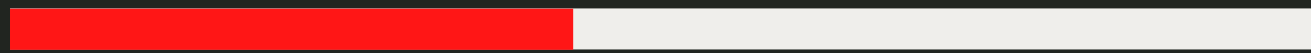
Art Images

Kaggle

ABOUT 9000 IMAGES CONTAINING DRAWINGS, WATERCOLORS, PAINTINGS, SCULPTURES, GRAPHIC ART AND ICONOGRAPHY. HERE WE USED ONLY THE PAINTINGS

Color recognition
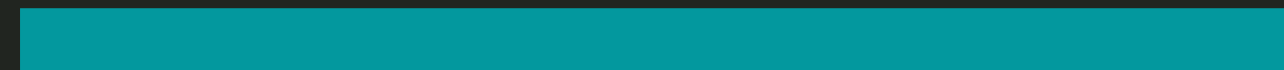
Extract RGBs from images

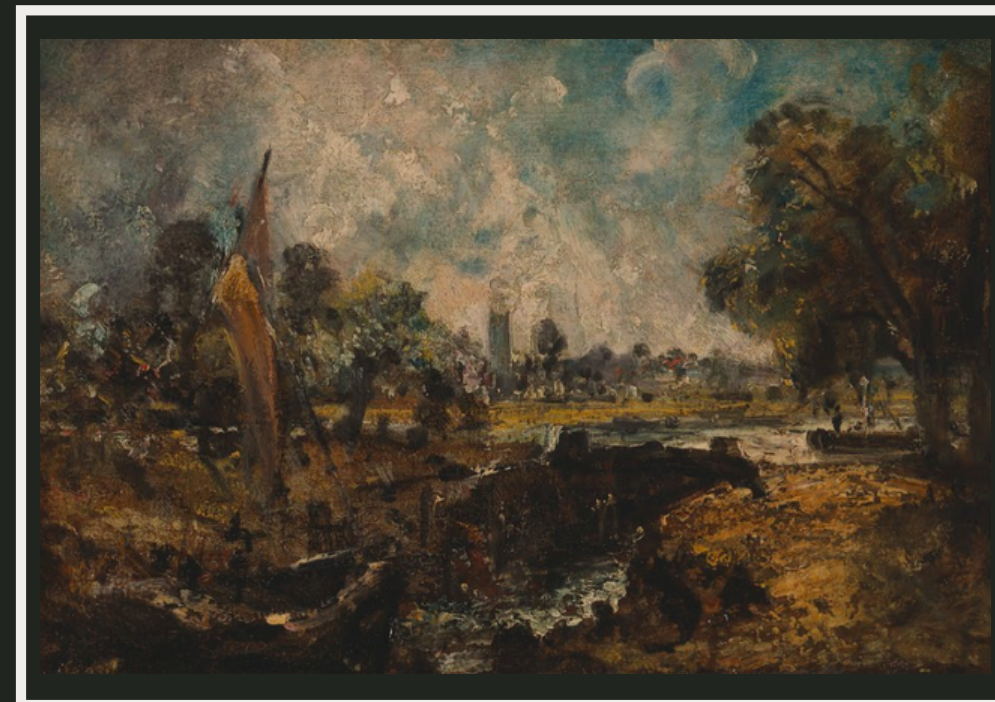R = 100

G = 150

B = 150

Transform RGBs into Hex

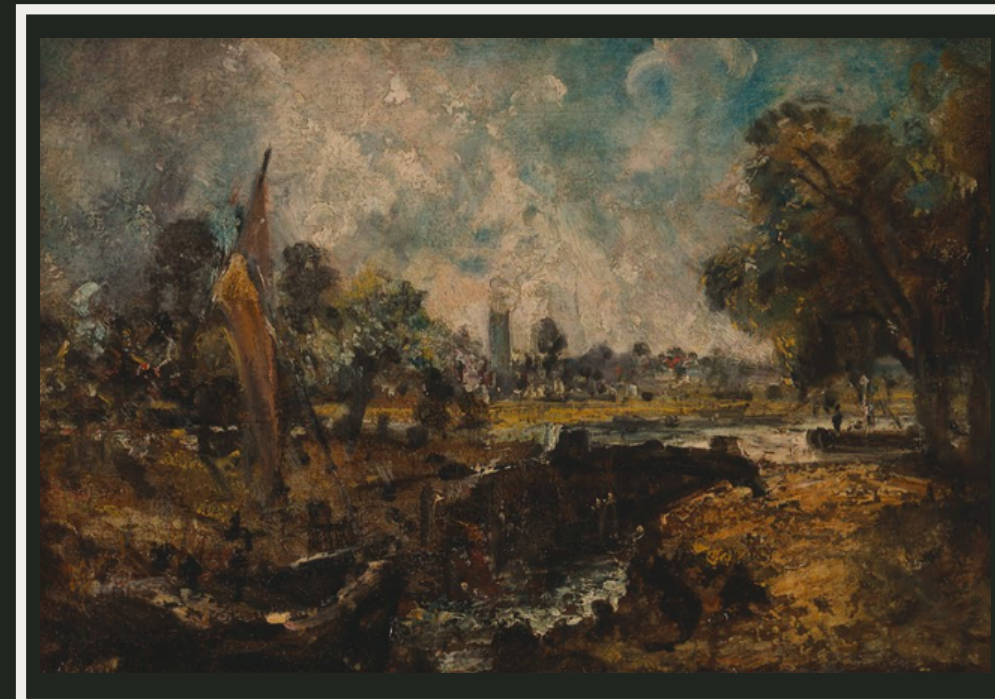#649696

Color crossing

10 NEAREST NEIGHBOURS

Information crossing

SCULLERY MAID
C.1660

DATE INFORMATION
DISTRIBUTED BY
COLOR MATCHES PER PERIOD

DEDHAM LOCK
C.1819

Inference

"THE PAITING SEEM TO BE FROM THE PERIOD BETWEEN 1660 AND 1819"

PETER THE GREAT (1672–1725)