

FilmColors Project: The Movie Frame Dataset

Film Screenshots and their Classification into Color Contrasts

movie_name : Jigokumon

project_id : 7

genres : Melodrama, History, Romance

year : 1953

countries : Japan

Number of segments: 54, segments = [312, 365]

Number of screenshots: 569, screenshots = [45442, 46010]

how to define rules for color contrasts? discuss all of them

- no split complementary or split primaries, simultaneous contrast - need to find in other movie
- explain why image has successive contrast, contrast of extension, contrast of saturation, cold-warm contrast because some images display what I think is the rule but then other images are not classified when they display the contrast too
- non-exhaustive labeling for segment
- aggregate labeling for segment instead of screenshot
- unclear why labeling the way it was done (how to derive a rule?)
- can this serve as ground truth for evaluating the classification made by the machine learning classifier?

Segment: 1 (segment_id : 364)

Number of screenshots: 10, screenshots = [45442, 45451]

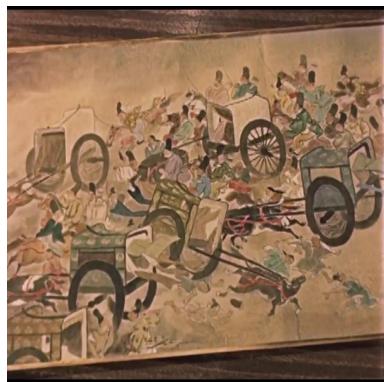
Color Contrasts:

- light_dark_contrast

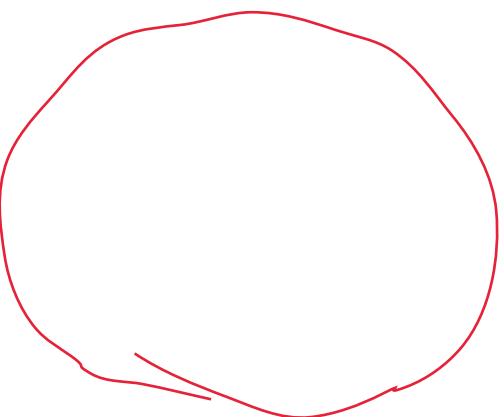
45442.jpg



45443.jpg

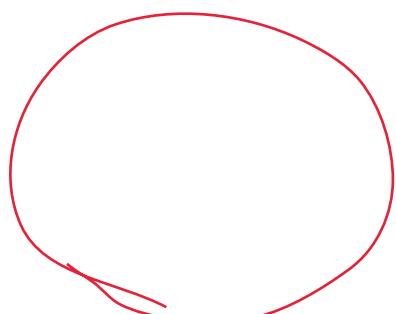


45444.jpg

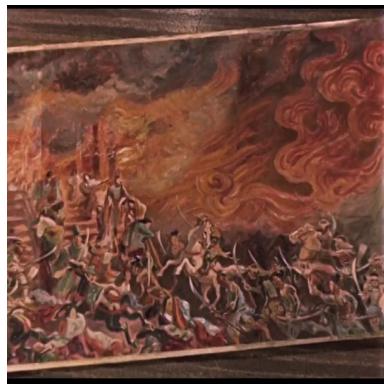


do these two images display a light-dark contrast too?

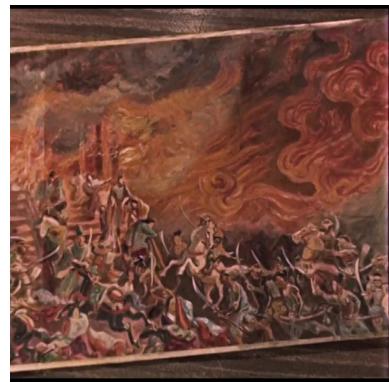
45445.jpg



45446.jpg



45447.jpg



no light-dark contrast, correct?

45448.jpg



45449.jpg

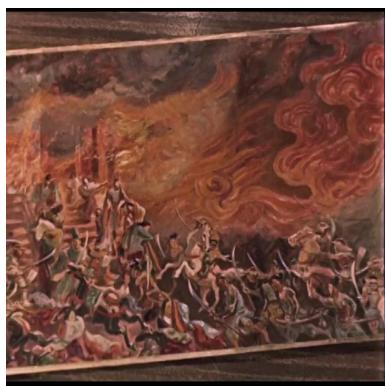


45450.jpg



only two images have light-dark contrast

45451.jpg



Segment: 2 (segment_id : 312)

Number of screenshots: 26, screenshots = [45452, 45477]

Color Contrasts:

- complementary_contrast
- contrast_of_hue

complementary contrast

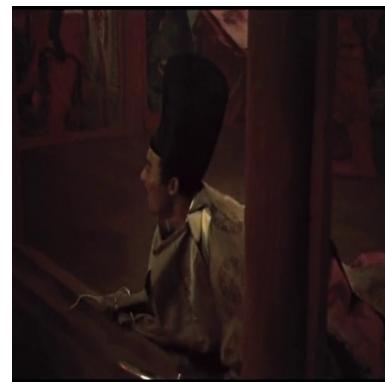
45452.jpg



45453.jpg



45454.jpg



45455.jpg



45456.jpg



45457.jpg



45458.jpg



45459.jpg



45460.jpg



contrast of hue

complementary

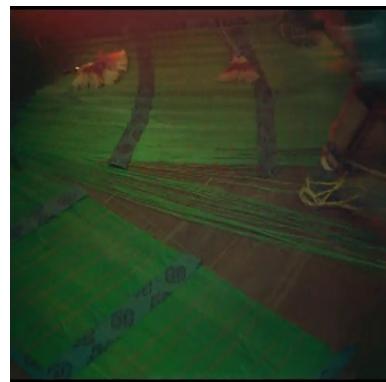
45461.jpg



45462.jpg



45463.jpg



45464.jpg



45465.jpg



45466.jpg



45467.jpg



45468.jpg



45469.jpg



contrast of hue

45470.jpg



45471.jpg



45472.jpg



45473.jpg



45474.jpg



45475.jpg



45476.jpg



45477.jpg



Segment: 3 (segment_id : 313)

Number of screenshots: 2, screenshots = [45478, 45479]

Color Contrasts:

None

45478.jpg



45479.jpg



contrast of hue

complementary contrast

Segment: 4 (segment_id : 314)

Number of screenshots: 5, screenshots = [45480, 45484]

Color Contrasts:

- contrast_of_hue

45480.jpg



45481.jpg

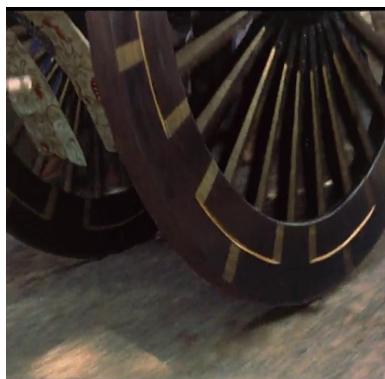


45482.jpg



red-green: complementary contrast

45483.jpg



45484.jpg



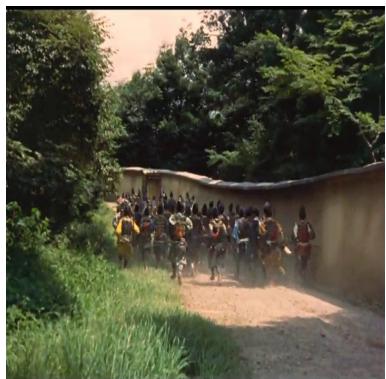
Segment: 5 (segment_id : 315)

Number of screenshots: 15, screenshots = [45485, 45499]

Color Contrasts:

- contrast_of_hue

45485.jpg



45486.jpg



45487.jpg



complementary contrast

45488.jpg



45489.jpg



45490.jpg



violet-yellow: complementary contrast

45491.jpg



red-green: complementary contrast

45492.jpg



45493.jpg



45494.jpg



45495.jpg



45496.jpg



45497.jpg



45498.jpg



45499.jpg



Segment: 6 (segment_id : 316)

Number of screenshots: 15, screenshots = [45500, 45514]

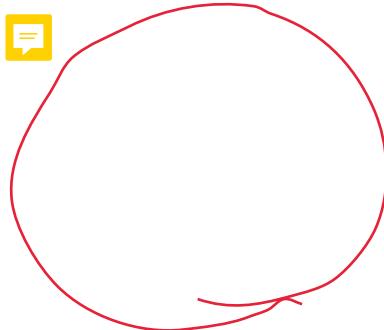
Color Contrasts:

- cold_warm_contrast
- contrast_of_hue

semantic mapping:

- mapping the meaningg to mathematical well-defined language

45500.jpg



45501.jpg



45502.jpg



45503.jpg



45504.jpg



45505.jpg



Alexandra no cold-warm contrast:

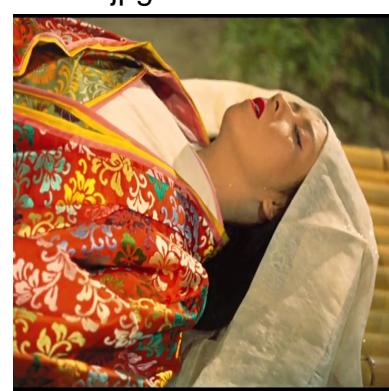
45506.jpg



45507.jpg



45508.jpg



red-green: complementary contrast

color transfer function:

if very dark or very light, cold-warm cannot be determined ?

if very desaturated, cold-warm cannot be determined ?

45509.jpg



45510.jpg



45511.jpg



45512.jpg



45513.jpg



45514.jpg



Segment: 7 (segment_id : 317)

Number of screenshots: 28, screenshots = [45515, 45542]

Color Contrasts:

- cold_warm_contrast
- contrast_of_hue
- saturation_contrast

45515.jpg



45516.jpg



45517.jpg



45518.jpg



45519.jpg



45520.jpg



45521.jpg



45522.jpg



45523.jpg



45524.jpg



45525.jpg



45526.jpg



45527.jpg



45528.jpg



45529.jpg



red-green complementary contrast

45530.jpg



45531.jpg



45532.jpg



45533.jpg



45534.jpg



45535.jpg



45536.jpg



45537.jpg



45538.jpg



45539.jpg



45540.jpg



45541.jpg



contrast of extension?

45542.jpg



Segment: 8 (segment_id : 318)

Number of screenshots: 6, screenshots = [45543, 45548]

Color Contrasts:

- contrast_of_extension

Contrast of extension:

Most of the examples indicate small patches with a large saturation value in lower saturated areas. Always in line with saturation contrast?

45543.jpg



45544.jpg



45545.jpg



contrast of hue for two above images?

45546.jpg



45547.jpg



45548.jpg



contrast of extension? but red-green is more complementary contrast
rule: small portion in image with very saturated color = contrast of extension

Segment: 9 (segment_id : 319)

Number of screenshots: 7, screenshots = [45549, 45555]

Color Contrasts:

None

45549.jpg



45550.jpg



45551.jpg



45552.jpg



45553.jpg



45554.jpg



45555.jpg



contrast of hue
complementary contrast

saturated blue/yellow also contrast of extension?

Segment: 10 (segment_id : 320)

Number of screenshots: 2, screenshots = [45556, 45557]

Color Contrasts:

- light_dark_contrast

45556.jpg



45557.jpg



orange, blue, yellow, green, contrast of hue?

blue-orange: complementary?

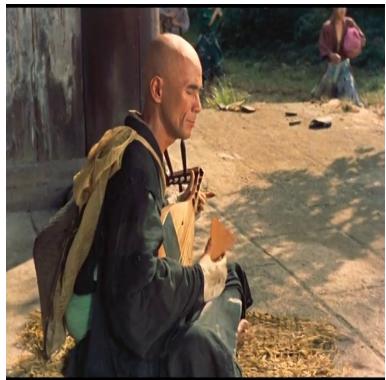
Segment: 11 (segment_id : 321)

Number of screenshots: 4, screenshots = [45558, 45561]

Color Contrasts:

- saturation_contrast [why?](#)

45558.jpg



45559.jpg



45560.jpg



45561.jpg



Segment: 12 (segment_id : 322)

Number of screenshots: 6, screenshots = [45562, 45567]

Color Contrasts:

- contrast_of_extension

45562.jpg



45563.jpg



45564.jpg



contrast of extension because of violet only

45565.jpg



45566.jpg



45567.jpg



contrast of extension because of tiny saturated red in green

Segment: 13 (segment_id : 365)

Number of screenshots: 6, screenshots = [45568, 45573]

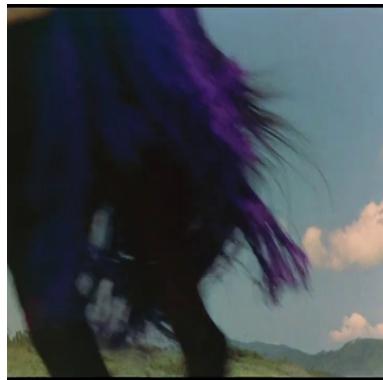
Color Contrasts:

- contrast_of_extension
- saturation_contrast

45568.jpg



45569.jpg



45570.jpg



45571.jpg



45572.jpg



45573.jpg



small portion of saturated violet

for both contrasts

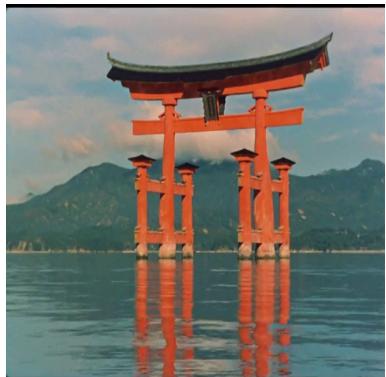
Segment: 14 (segment_id : 323)

Number of screenshots: 9, screenshots = [45574, 45582]

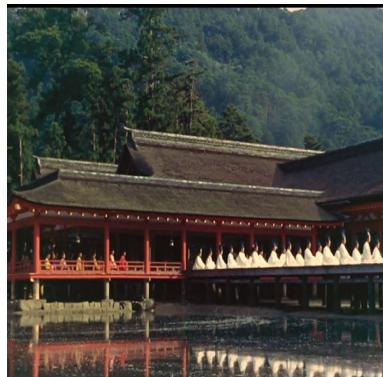
Color Contrasts:

- cold_warm_contrast
- saturation_contrast

45574.jpg



45575.jpg



45576.jpg



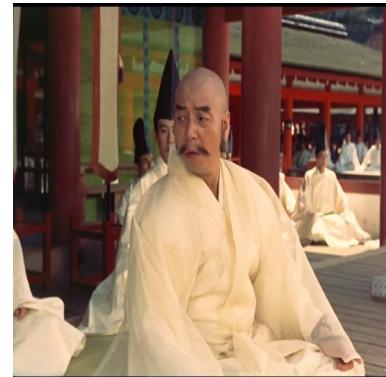
45577.jpg



45578.jpg



45579.jpg



45580.jpg



45581.jpg



45582.jpg



Segment: 15 (segment_id : 324)

Number of screenshots: 12, screenshots = [45583, 45594]

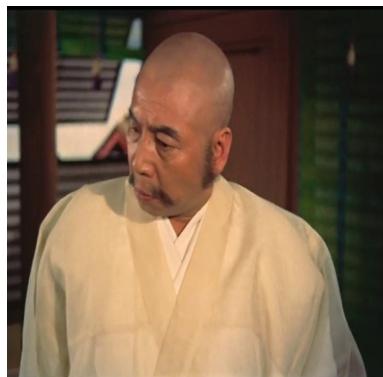
Color Contrasts:

None

45583.jpg



45584.jpg



45585.jpg



45586.jpg



45587.jpg



45588.jpg



-cold blue, warm red contrast

45589.jpg



45590.jpg



45591.jpg



green- red lips contrast complementary

contrast of hue

45592.jpg



45593.jpg



45594.jpg



Segment: 16 (segment_id : 325)

Number of screenshots: 8, screenshots = [45595, 45602]

Color Contrasts:

- contrast_of_extension

45595.jpg



45596.jpg



45597.jpg



contrast of extension: saturated small violet in desaturated big green

45598.jpg



45599.jpg



45600.jpg



cold blue sky-warm red blood contrast

45601.jpg



45602.jpg



Segment: 17 (segment_id : 326)

Number of screenshots: 2, screenshots = [45603, 45604]

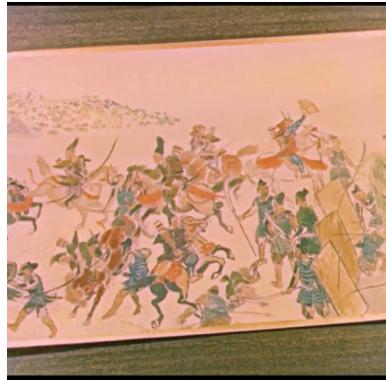
Color Contrasts:

None

45603.jpg



45604.jpg



contrast of hue

saturation contrast?

Segment: 18 (segment_id : 327)

Number of screenshots: 8, screenshots = [45605, 45612]

Color Contrasts:

- contrast_of_extension why?

45605.jpg



45606.jpg



45607.jpg



45608.jpg



45609.jpg



45610.jpg



45611.jpg



45612.jpg



Segment: 19 (segment_id : 328)

Number of screenshots: 8, screenshots = [45613, 45620]

Color Contrasts:

- light_dark_contrast

45613.jpg



45614.jpg



45615.jpg



45616.jpg



45617.jpg



45618.jpg



cold green warm yellow contrast

45619.jpg



45620.jpg



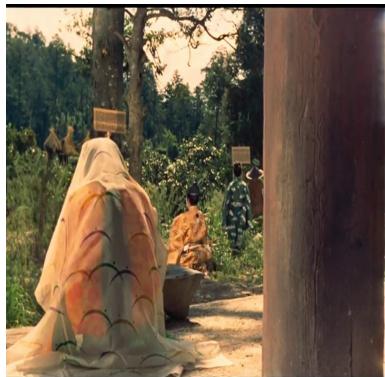
Segment: 20 (segment_id : 329)

Number of screenshots: 18, screenshots = [45621, 45638]

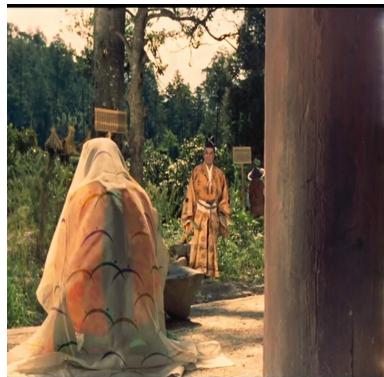
Color Contrasts:

- complementary_contrast
- saturation_contrast

45621.jpg



45622.jpg

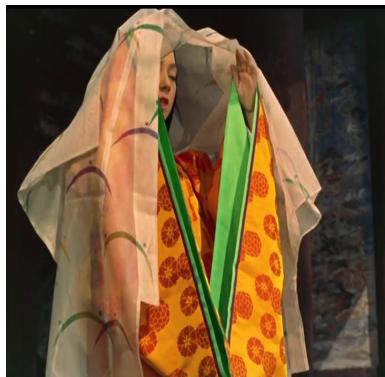


45623.jpg



red-green

45624.jpg



45625.jpg



45626.jpg



cold green-warm red-yellow contrast

45627.jpg



45628.jpg



45629.jpg



45630.jpg



45631.jpg



45632.jpg



45633.jpg



45634.jpg



45635.jpg



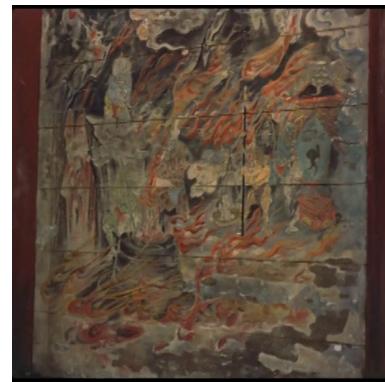
45636.jpg



45637.jpg



45638.jpg



Segment: 21 (segment_id : 330)

Number of screenshots: 16, screenshots = [45639, 45654]

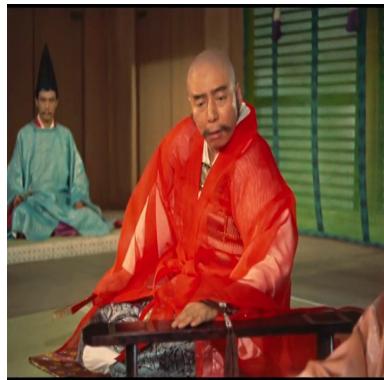
Color Contrasts:

- complementary_contrast
- contrast_of_hue
- saturation_contrast

45639.jpg



45640.jpg



45641.jpg



45642.jpg



45643.jpg



45644.jpg



45645.jpg



45646.jpg



45647.jpg



45648.jpg



45649.jpg



45650.jpg



45651.jpg



45652.jpg



45653.jpg



45654.jpg



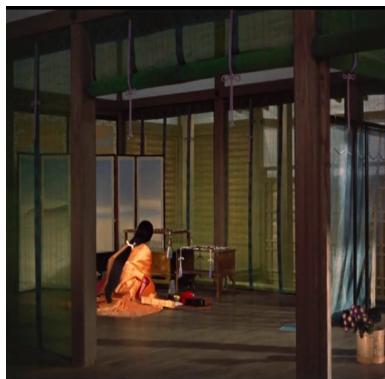
Segment: 22 (segment_id : 331)

Number of screenshots: 9, screenshots = [45655, 45663]

Color Contrasts:

- saturation_contrast

45655.jpg



45656.jpg



45657.jpg



45658.jpg



45659.jpg



45660.jpg



complementary contrast

45661.jpg



45662.jpg



45663.jpg



Segment: 23 (segment_id : 332)

Number of screenshots: 12, screenshots = [45664, 45675]

Color Contrasts:

- complementary_contrast
- contrast_of_extension
- saturation_contrast

45664.jpg



45665.jpg



45666.jpg



45667.jpg



45668.jpg



45669.jpg



45670.jpg



45671.jpg



45672.jpg



45673.jpg



45674.jpg



45675.jpg



Segment: 24 (segment_id : 333)

Number of screenshots: 14, screenshots = [45676, 45689]

Color Contrasts:

- complementary_contrast
- saturation_contrast

45676.jpg



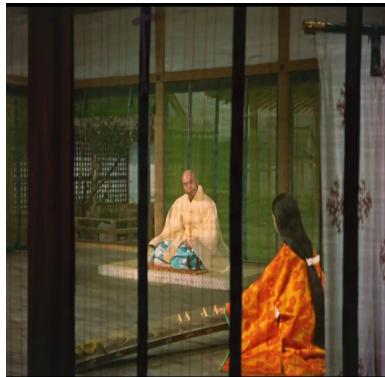
45677.jpg



45678.jpg



45679.jpg



45680.jpg



45681.jpg



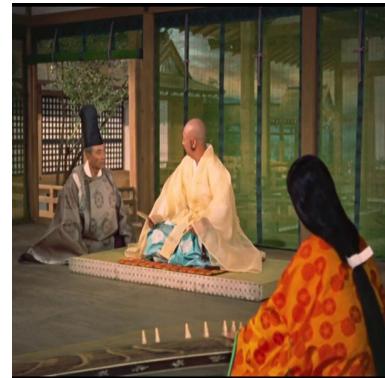
45682.jpg



45683.jpg



45684.jpg



45685.jpg



45686.jpg



45687.jpg



45688.jpg



45689.jpg



Segment: 25 (segment_id : 334)

Number of screenshots: 6, screenshots = [45690, 45695]

Color Contrasts:

None

45690.jpg



45691.jpg



45692.jpg



45693.jpg



45694.jpg



45695.jpg



Segment: 26 (segment_id : 335)

Number of screenshots: 11, screenshots = [45696, 45706]

Color Contrasts:

- complementary_contrast
- saturation_contrast

45696.jpg



45697.jpg



45698.jpg



45699.jpg



45700.jpg



45701.jpg



45702.jpg



45703.jpg



45704.jpg



45705.jpg



45706.jpg



Segment: 27 (segment_id : 336)

Number of screenshots: 12, screenshots = [45707, 45718]

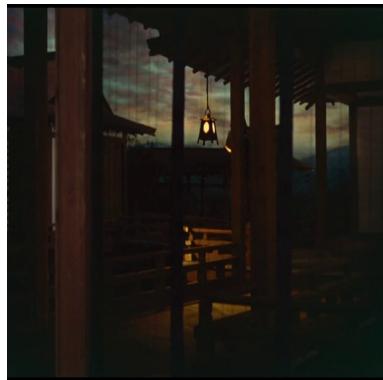
Color Contrasts:

- contrast_of_extension
- light_dark_contrast

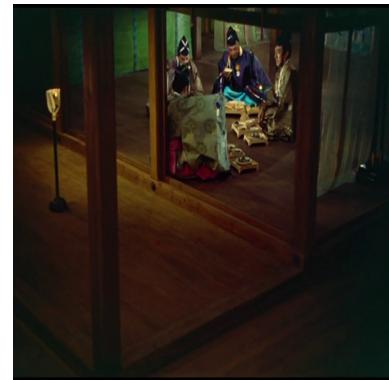
45707.jpg



45708.jpg



45709.jpg



45710.jpg



45711.jpg



45712.jpg



45713.jpg



45714.jpg



45715.jpg



45716.jpg



45717.jpg



45718.jpg



Segment: 28 (segment_id : 337)

Number of screenshots: 7, screenshots = [45719, 45725]

Color Contrasts:

- cold_warm_contrast
- complementary_contrast
- saturation_contrast

45719.jpg



45720.jpg



45721.jpg



45722.jpg



45723.jpg



45724.jpg



45725.jpg



Segment: 29 (segment_id : 338)

Number of screenshots: 5, screenshots = [45726, 45730]

Color Contrasts:

- cold_warm_contrast
- contrast_of_extension
- saturation_contrast

45726.jpg



45727.jpg



45728.jpg



45729.jpg



45730.jpg



Segment: 30 (segment_id : 339)

Number of screenshots: 9, screenshots = [45731, 45739]

Color Contrasts:

- contrast_of_hue

45731.jpg



45732.jpg



45733.jpg



45734.jpg



45735.jpg



45736.jpg



45737.jpg



45738.jpg



45739.jpg



Segment: 31 (segment_id : 340)

Number of screenshots: 4, screenshots = [45740, 45743]

Color Contrasts:

- contrast_of_extension
- contrast_of_hue
- saturation_contrast

45740.jpg



45741.jpg



45742.jpg



45743.jpg



Segment: 32 (segment_id : 341)

Number of screenshots: 5, screenshots = [45744, 45748]

Color Contrasts:

- cold_warm_contrast
- contrast_of_hue

45744.jpg



45745.jpg



45746.jpg



45747.jpg



45748.jpg



Segment: 33 (segment_id : 342)

Number of screenshots: 12, screenshots = [45749, 45760]

Color Contrasts:

- contrast_of_hue

45749.jpg



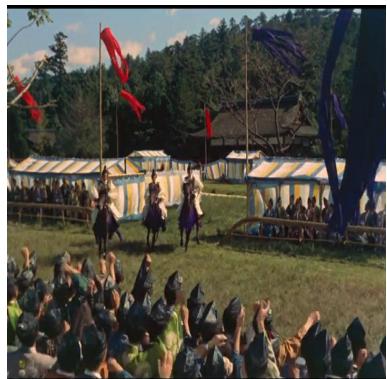
45750.jpg



45751.jpg



45752.jpg



45753.jpg



45754.jpg



45755.jpg



45756.jpg



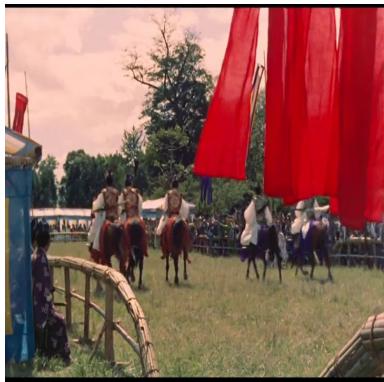
45757.jpg



45758.jpg



45759.jpg



45760.jpg



Segment: 34 (segment_id : 343)

Number of screenshots: 23, screenshots = [45761, 45783]

Color Contrasts:

- contrast_of_extension
- contrast_of_hue

45761.jpg



45762.jpg



45763.jpg



45764.jpg



45765.jpg



45766.jpg



45767.jpg



45768.jpg



45769.jpg



45770.jpg



45771.jpg



45772.jpg



45773.jpg



45774.jpg



45775.jpg



45776.jpg



45777.jpg



45778.jpg



45779.jpg



45780.jpg



45781.jpg



45782.jpg



45783.jpg



Segment: 35 (segment_id : 344)

Number of screenshots: 7, screenshots = [45784, 45790]

Color Contrasts:

- saturation_contrast

45784.jpg



45785.jpg



45786.jpg



45787.jpg



45788.jpg



45789.jpg



45790.jpg



Segment: 36 (segment_id : 345)

Number of screenshots: 15, screenshots = [45791, 45805]

Color Contrasts:

- saturation_contrast

45791.jpg



45792.jpg



45793.jpg



45794.jpg



45795.jpg



45796.jpg



45797.jpg



45798.jpg



45799.jpg



45800.jpg



45801.jpg



45802.jpg



45803.jpg



45804.jpg



45805.jpg



Segment: 37 (segment_id : 346)

Number of screenshots: 3, screenshots = [45806, 45808]

Color Contrasts:

- complementary_contrast
- saturation_contrast

45806.jpg



45807.jpg



45808.jpg



Segment: 38 (segment_id : 347)

Number of screenshots: 5, screenshots = [45809, 45813]

Color Contrasts:

- cold_warm_contrast

45809.jpg



45810.jpg



45811.jpg



45812.jpg



45813.jpg



Segment: 39 (segment_id : 348)

Number of screenshots: 5, screenshots = [45814, 45818]

Color Contrasts:

- light_dark_contrast

45814.jpg



45815.jpg



45816.jpg



45817.jpg



45818.jpg



Segment: 40 (segment_id : 349)

Number of screenshots: 7, screenshots = [45819, 45825]

Color Contrasts:

- light_dark_contrast

45819.jpg



45820.jpg



45821.jpg



45822.jpg



45823.jpg



45824.jpg



45825.jpg



Segment: 41 (segment_id : 350)

Number of screenshots: 4, screenshots = [45826, 45829]

Color Contrasts:

- light_dark_contrast

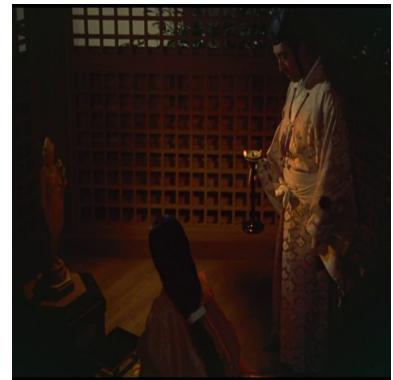
45826.jpg



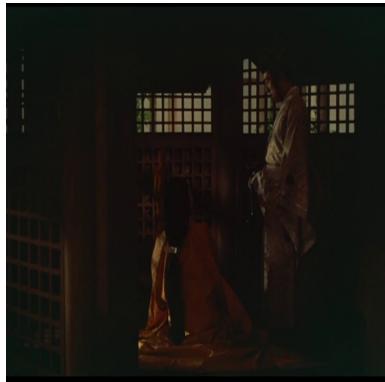
45827.jpg



45828.jpg



45829.jpg



Segment: 42 (segment_id : 351)

Number of screenshots: 24, screenshots = [45830, 45853]

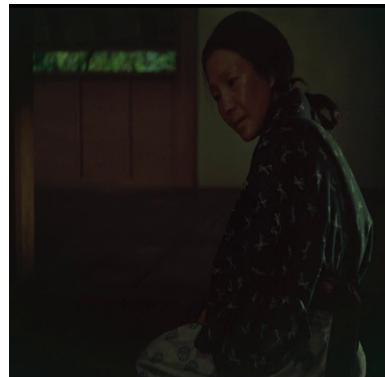
Color Contrasts:

None

45830.jpg



45831.jpg



45832.jpg



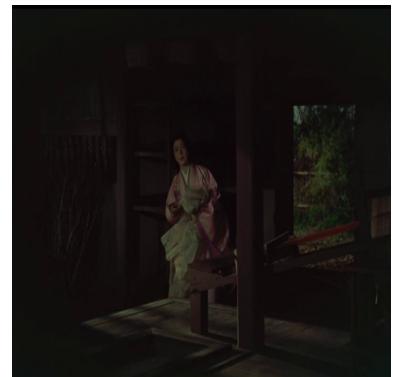
45833.jpg



45834.jpg



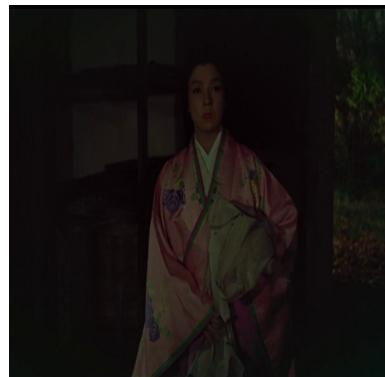
45835.jpg



45836.jpg



45837.jpg



45838.jpg



45839.jpg



45840.jpg



45841.jpg



45842.jpg



45843.jpg



45844.jpg



45845.jpg



45846.jpg



45847.jpg



45848.jpg



45849.jpg



45850.jpg



45851.jpg



45852.jpg



45853.jpg



Segment: 43 (segment_id : 352)

Number of screenshots: 15, screenshots = [45854, 45868]

Color Contrasts:

- saturation_contrast

45854.jpg



45855.jpg



45856.jpg



45857.jpg



45858.jpg



45859.jpg



45860.jpg



45861.jpg



45862.jpg



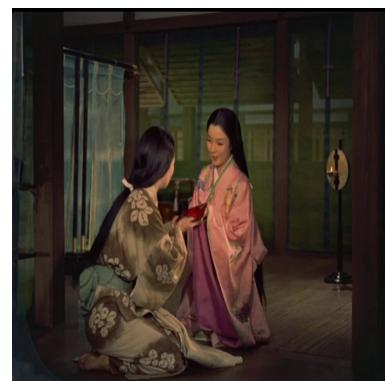
45863.jpg



45864.jpg



45865.jpg



45866.jpg



45867.jpg



45868.jpg



Segment: 44 (segment_id : 353)

Number of screenshots: 13, screenshots = [45869, 45881]

Color Contrasts:

- saturation_contrast

45869.jpg



45870.jpg



45871.jpg



45872.jpg



45873.jpg



45874.jpg



45875.jpg



45876.jpg



45877.jpg



45878.jpg



45879.jpg



45880.jpg



45881.jpg



Segment: 45 (segment_id : 354)

Number of screenshots: 23, screenshots = [45882, 45904]

Color Contrasts:

- cold_warm_contrast
- saturation_contrast

45882.jpg



45883.jpg



45884.jpg



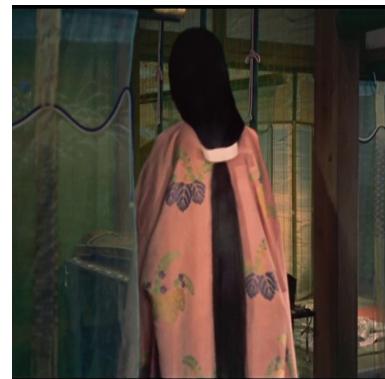
45885.jpg



45886.jpg



45887.jpg



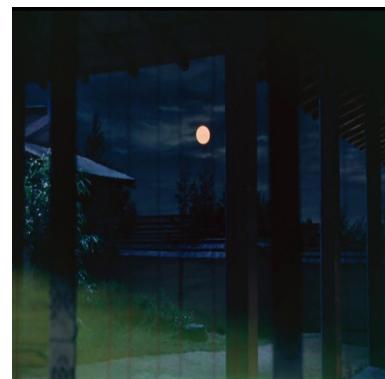
45888.jpg



45889.jpg



45890.jpg



45891.jpg



45892.jpg



45893.jpg



45894.jpg



45895.jpg



45896.jpg



45897.jpg



45898.jpg



45899.jpg



45900.jpg



45901.jpg



45902.jpg



45903.jpg



45904.jpg



Segment: 46 (segment_id : 355)

Number of screenshots: 4, screenshots = [45905, 45908]

Color Contrasts:

None

45905.jpg



45906.jpg



45907.jpg



45908.jpg



Segment: 47 (segment_id : 356)

Number of screenshots: 6, screenshots = [45909, 45914]

Color Contrasts:

- cold_warm_contrast
- saturation_contrast

45909.jpg



45910.jpg



45911.jpg



45912.jpg



45913.jpg



45914.jpg



Segment: 48 (segment_id : 357)

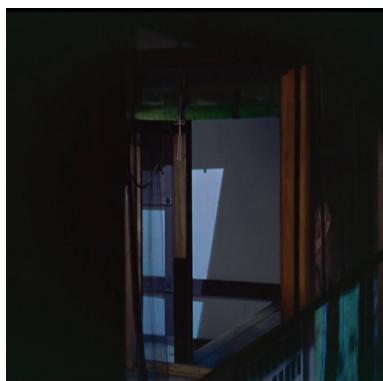
Number of screenshots: 8, screenshots = [45915, 45922]

Color Contrasts:

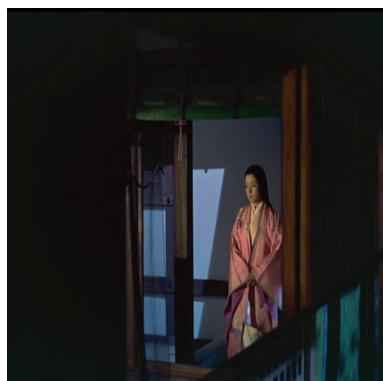
- cold_warm_contrast
- saturation_contrast
- successive_contrast

why is there successive contrast?

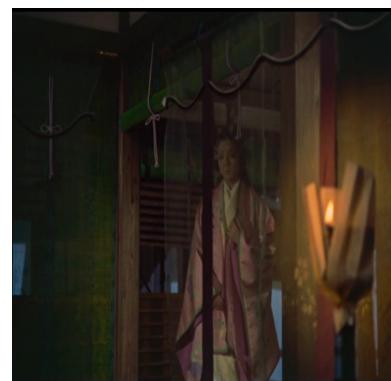
45915.jpg



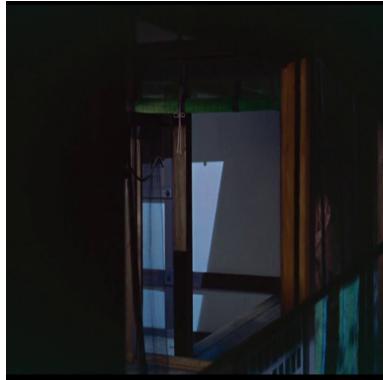
45916.jpg



45917.jpg



45918.jpg



45919.jpg



45920.jpg



45921.jpg



45922.jpg



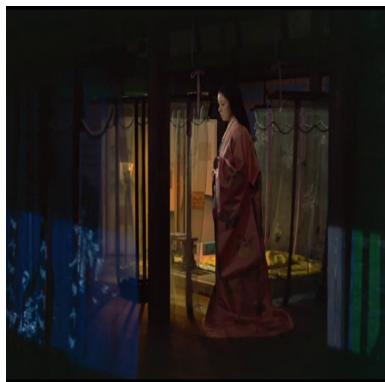
Segment: 49 (segment_id : 358)

Number of screenshots: 38, screenshots = [45923, 45960]

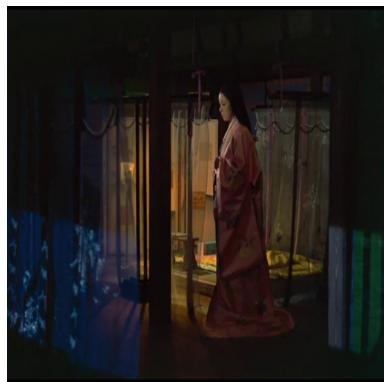
Color Contrasts:

None

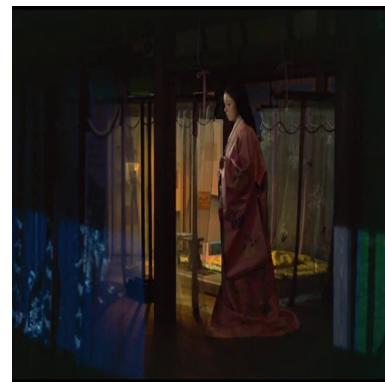
45923.jpg



45924.jpg



45925.jpg



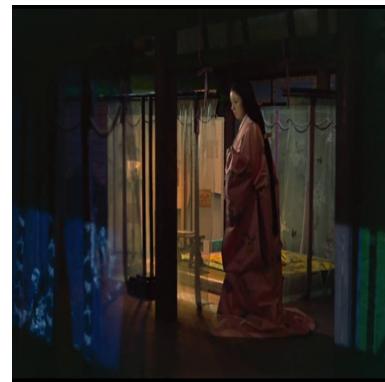
45926.jpg



45927.jpg



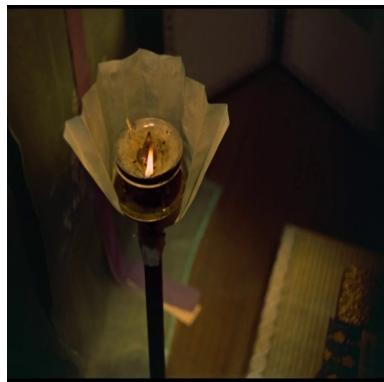
45928.jpg



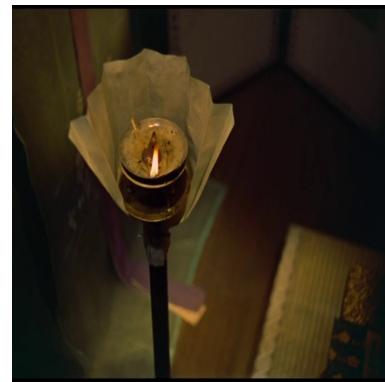
45929.jpg



45930.jpg



45931.jpg



45932.jpg



45933.jpg



45934.jpg



45935.jpg



45936.jpg



45937.jpg



45938.jpg



45939.jpg



45940.jpg



45941.jpg



45942.jpg



45943.jpg



45944.jpg



45945.jpg



45946.jpg



45947.jpg



45948.jpg



45949.jpg



45950.jpg



45951.jpg



45952.jpg



45953.jpg



45954.jpg



45955.jpg



45956.jpg



45957.jpg



45958.jpg



45959.jpg



45960.jpg



Segment: 50 (segment_id : 359)

Number of screenshots: 28, screenshots = [45961, 45988]

Color Contrasts:

- light_dark_contrast

45961.jpg



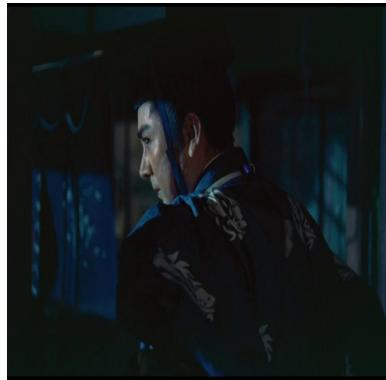
45962.jpg



45963.jpg



45964.jpg



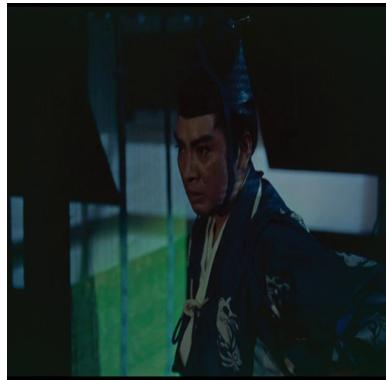
45965.jpg



45966.jpg



45967.jpg



45968.jpg



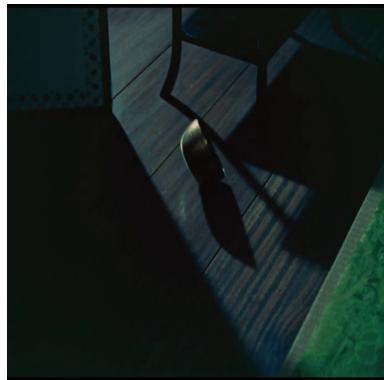
45969.jpg



45970.jpg



45971.jpg



45972.jpg



45973.jpg



45974.jpg



45975.jpg



45976.jpg



45977.jpg



45978.jpg



45979.jpg



45980.jpg



45981.jpg



45982.jpg



45983.jpg



45984.jpg



45985.jpg



45986.jpg



45987.jpg



45988.jpg



Segment: 51 (segment_id : 360)

Number of screenshots: 8, screenshots = [45989, 45996]

Color Contrasts:

- cold_warm_contrast
- light_dark_contrast

45989.jpg



45990.jpg



45991.jpg



45992.jpg



45993.jpg



45994.jpg



45995.jpg



45996.jpg



Segment: 52 (segment_id : 361)

Number of screenshots: 12, screenshots = [45997, 46008]

Color Contrasts:

- cold_warm_contrast
- light_dark_contrast

45997.jpg



45998.jpg



45999.jpg



46000.jpg



46001.jpg



46002.jpg



46003.jpg



46004.jpg



46005.jpg



46006.jpg



46007.jpg



46008.jpg



Segment: 53 (segment_id : 362)

Number of screenshots: 1, screenshots = [46009, 46009]

Color Contrasts:

None

46009.jpg



Segment: 54 (segment_id : 363)

Number of screenshots: 1, screenshots = [46010, 46010]

Color Contrasts:

None

46010.jpg

