

Converting Colors

XYZ(64.0201, 70.2292, 81.7689)

Have a look what the booklet for
XYZ(64.0201, 70.2292, 81.7689)
contains.

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Color

**XYZ(64.0690, 70.2354,
81.4141)**

Conversions

Conversions Part 1

Format	Color
Hex	CADEE1
RGB	202, 222, 225
RGB Percent	79%, 87%, 88%
CMY	0.2078, 0.1294, 0.1176
CMYK	0.10, 0.01, 0.00, 0.12
HSL	188°, 28%, 84%
HSV	188°, 10%, 88%
XYZ	64.0690, 70.2354, 81.4141
YIQ	216.3620, -12.8830, -3.3070

Conversions

Conversions Part 2

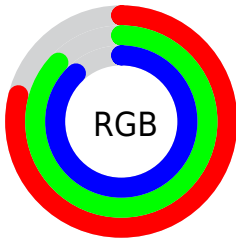
Format	Color
R _Y B	202, 213, 225
Decimal	13295329
CIE Lab	87.11, -6.05, -3.75
CIE LCh	87, 7.114, 211.795
Yxy	70.2354, 0.2970, 0.3256
Android (android.graphics.Color)	4291485409 (0xFFCADEE1)
YUV	216.3620, 4.2585, -12.5955
Hunter-Lab	83.8066, -10.2006, 1.0672

Details

The XYZ color **64.0690, 70.2354, 81.4141** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **63.5436, 63.9340, 64.8696**, and the grayscale version is **65.4969, 68.9078, 75.0406**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **33.2872, 36.8356, 43.3858** is the 20% darker color. If you saturate the color by 10%, you get **57.6481, 65.7814, 80.8939**, and if you desaturate by 10%, it is **71.3951, 75.1800, 81.9835**.

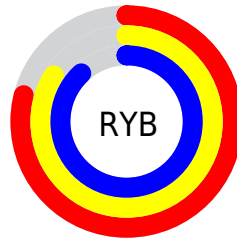
Distribution



Red (79%)

Green (87%)

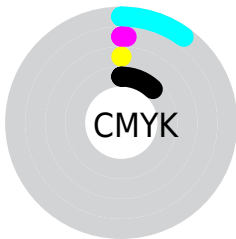
Blue (88%)



Red (79%)

Yellow (84%)

Blue (88%)

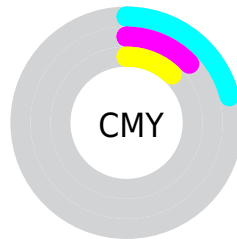


Cyan (10%)

Magenta (1%)

Yellow (0%)

Black (12%)



Cyan (21%)

Magenta (13%)

Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.0690, 70.2354, 81.4141 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 64.0690, 70.2354, 81.4141 by changing the saturation by 10% instead.

■ 64.0690, 70.2354,
81.4141

■ 64.0690, 70.2354,
81.4141

429.0370,
461.3761, 519.5177

■ 46.9685, 51.7185,
60.3497

109.7835,
119.5444, 137.1814

■ 33.2186, 36.7807,
43.2734

139.1281,
151.1052, 172.7213

■ 22.4540, 25.0378,
29.7667

173.2848,
187.7828, 213.9236

■ 14.3093, 16.1052,
19.4110

212.6190,
229.9616, 261.2066

■ 8.4192, 9.5986,
11.7879

257.4959,
278.0259, 314.9890

■ 4.4184, 5.1337,
6.4786

308.2810,

■ 1.9415, 2.3259,

332.3602, 375.6893

3.0648

365.3396,
393.3488, 443.7260

■ 0.6008, 0.7874,
1.1278

■ 0.0000, 0.0000,
0.0000

■ 64.0690, 70.2354,
81.4141

■ 64.0690, 70.2354,
81.4141

■ 57.6481, 65.7814,
80.8939

■ 71.3951, 75.1800,
81.9835

■ 52.0881, 61.7892,
80.4164

■ 79.6564, 80.6249,
82.5990

■ 47.3498, 58.2406,
79.9812

■ 83.3505, 83.7358,
83.0048

■ 43.3887, 55.1125,
79.5862

■ 84.1770, 85.3886,
83.2803

40.1561, 52.3796,
79.2290

85.0172, 87.0691,
83.5603

37.5977, 50.0138,
78.9072

85.8713, 88.7773,
83.8450

35.6511, 47.9829,
78.6178

86.7393, 90.5133,
84.1344

34.2427, 46.2488,
78.3573

87.6213, 92.2774,
84.4284

33.2604, 44.7754,
78.1247

88.5174, 94.0696,
84.7271

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



63.6036, 70.2354, 76.7623



64.0690, 70.2354, 81.4141



65.2530, 70.2354, 84.8535

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



64.0690, 70.2354, 81.4141



69.6216, 70.2354, 80.8960



66.6563, 70.2354, 67.6605

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



64.0690, 70.2354, 81.4141



63.5436, 63.9340, 64.8696

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



68.2832, 70.2354, 68.6660



64.0690, 70.2354, 81.4141



70.0122, 70.2354, 76.1872

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



64.0690, 70.2354, 81.4141



68.4599, 70.2354, 84.5457



69.5184, 70.2354, 71.7387



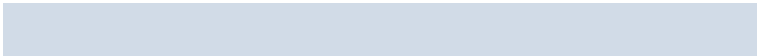
65.0819, 70.2354, 68.9339

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



64.0690, 70.2354, 81.4141



66.3002, 70.2354, 85.9255



69.5184, 70.2354, 71.7387



67.2152, 70.2354, 67.7430

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



64.0710, 70.2383, 81.4157



91.9742, 97.9436, 108.6652



62.2647, 70.8006, 67.9427



19.5144, 20.8485, 23.2456



0.0000, 0.0000, 0.0000



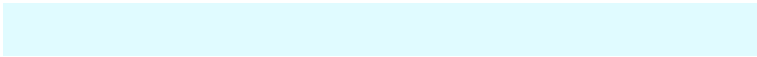
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



64.0710, 70.2383, 81.4157



83.4160, 92.1340, 107.9949



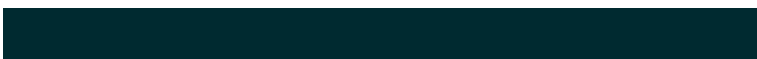
61.1976, 64.4915, 80.4578



13.9563, 15.2517, 17.5960



19.2271, 25.9238, 45.0388



1.3757, 1.8829, 3.1362

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



65.3582, 63.5239, 77.9273



85.4180, 81.7525, 102.5556



66.3160, 69.4787, 65.7937



14.2142, 13.9033, 16.8979



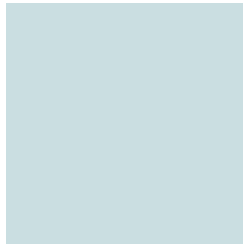
23.6452, 11.5251, 31.1269



1.6606, 0.8075, 2.2718

Previews

White Background



This preview shows how the XYZ color 64.0690, 70.2354, 81.4141 looks on a white background.

Color Contrast Check

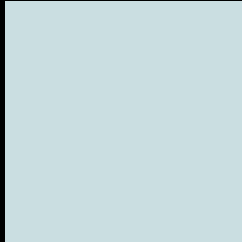
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 64.0690, 70.2354, 81.4141 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

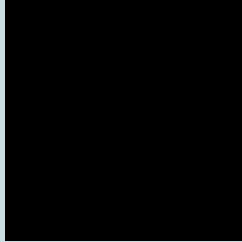
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

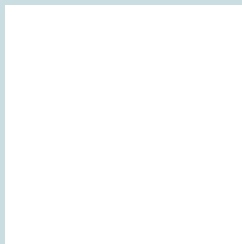
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 64.0690, 70.2354, 81.4141

Background



This preview shows how black text looks on a background with the XYZ color 64.0690, 70.2354, 81.4141.

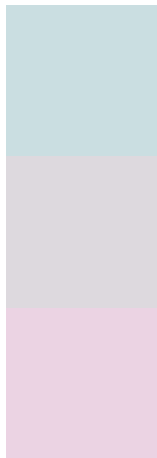


This preview shows how white text looks on a background with the XYZ color 64.0690, 70.2354,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

64.0690, 70.2354, 81.4141

Protanopia

67.8165, 70.2718, 79.0967

Deuteranopia

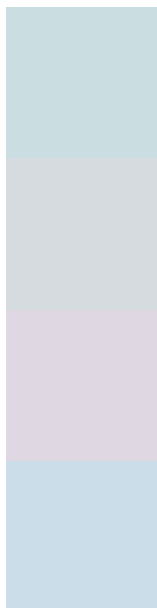
71.4203, 69.7968, 82.3809



Tritanopia

65.9277, 70.1968, 90.9635

Trichromacy



Original Color

64.0690, 70.2354, 81.4141

Protanomaly

66.3824, 70.2869, 79.8800

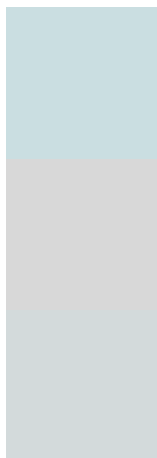
Deuteranomaly

68.4593, 69.7798, 81.8122

Tritanomaly

65.1930, 70.2926, 87.2226

Monochromacy



Original Color

64.0690, 70.2354, 81.4141

Achromatopsia

65.2694, 68.6685, 74.7800

Achromatomaly

64.7216, 69.1062, 76.9455

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.0690, 70.2354, 81.4141 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(202, 222, 225)` looks like.

```
.text, #text, p{  
    color:rgb(202, 222, 225)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(202, 222, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 222, 225) }
```

Border

The CSS property to change the border of an element to XYZ 64.0690, 70.2354, 81.4141 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(202, 222, 225) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(202, 222, 225) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(202, 222, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 222, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 222, 225);  
box-shadow:4px 4px 4px 4px rgb(202, 222,  
225) }
```

Background

The CSS property to change the background color of an element to XYZ 64.0690, 70.2354, 81.4141 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 222, 225) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(202,  
222, 225) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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