

Converting Colors

XYZ(70.6079, 80.2796, 83.7011)

Have a look what the booklet for
XYZ(70.6079, 80.2796, 83.7011)
contains.

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Color

**XYZ(70.5965, 80.1954,
83.7099)**

Conversions

Conversions Part 1

Format	Color
Hex	D1EEE2
RGB	209, 238, 226
RGB Percent	82%, 93%, 89%
CMY	0.1804, 0.0666, 0.1137
CMYK	0.12, 0.00, 0.05, 0.07
HSL	155°, 46%, 88%
HSV	155°, 12%, 93%
XYZ	70.5965, 80.1954, 83.7099
YIQ	227.9610, -13.4320, -9.8800

Conversions

Conversions Part 2

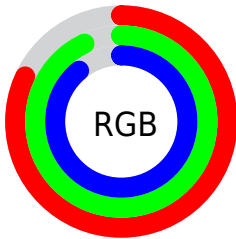
Format	Color
R _Y B	209, 227, 238
Decimal	13758178
CIE Lab	91.77, -11.72, 2.60
CIE LCh	92, 12.008, 167.514
Yxy	80.1954, 0.3010, 0.3420
Android (android.graphics.Color)	4291948258 (0xFFD1EEE2)
YUV	227.9610, -0.9668, -16.6288
Hunter-Lab	89.5519, -15.9988, 7.2641

Details

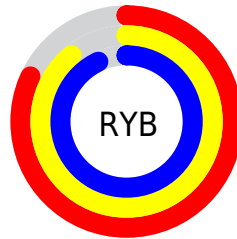
The XYZ color **70.5965, 80.1954, 83.7099** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **71.1144, 69.0006, 77.9807**, and the grayscale version is **73.7301, 77.5698, 84.4735**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.4051, 43.2662, 44.9078** is the 20% darker color. If you saturate the color by 10%, you get **63.0465, 76.4572, 76.5033**, and if you desaturate by 10%, it is **79.2346, 84.4900, 91.3762**.

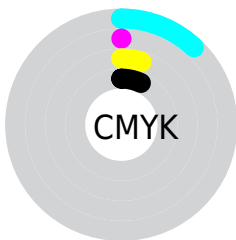
Distribution



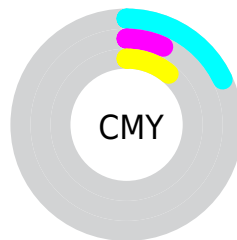
- Red (82%)
- Green (93%)
- Blue (89%)



- Red (82%)
- Yellow (89%)
- Blue (93%)



- Cyan (12%)
- Magenta (0%)
- Yellow (5%)
- Black (7%)



- Cyan (18%)
- Magenta (7%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 70.5965, 80.1954, 83.7099 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 70.5965, 80.1954, 83.7099 by changing the saturation by 10% instead.

70.5965, 80.1954,
83.7099

70.5965, 80.1954,
83.7099

451.8755,
495.5911, 527.3822

52.2943, 59.8792,
62.2319

119.0807,
133.6404, 140.4274

37.4649, 43.3212,
44.7831

149.9933,
167.5380, 176.5040

25.7430, 30.1372,
30.9449

185.8402,
206.7315, 218.2840

16.7632, 19.9428,
20.2988

226.9867,
251.6052, 266.1858

10.1600, 12.3535,
12.4262

273.7981,
302.5437, 320.6280

5.5683, 6.9849,
6.9086

326.6398,

2.6225, 3.4526,

359.9312, 382.0291

3.3274

385.8771,
424.1522, 450.8076

■ 0.9574, 1.3724,
1.2642

■ 0.0000, 0.1962,
0.0321

■ 70.5965, 80.1954,
83.7099

■ 70.5965, 80.1954,
83.7099

■ 63.0465, 76.4572,
76.5033

■ 79.2346, 84.4900,
91.3762

■ 56.5321, 73.2418,
69.7421

■ 88.4049, 89.0477,
99.4778

■ 51.0065, 70.5275,
63.4189

■ 89.8661, 89.6321,
107.1720

■ 46.4164, 68.2869,
57.5242

■ 42.7034, 66.4901,
52.0479

■ 39.8021, 65.1036,
46.9793

■ 37.6373, 64.0888,
42.3074

■ 36.1190, 63.3994,
38.0197

■ 35.2731, 63.0309,
34.9263

Harmonies

Analogous

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



71.9468, 80.1954, 76.3770



70.5965, 80.1954, 83.7099



70.7241, 80.1954, 92.5133

Triad

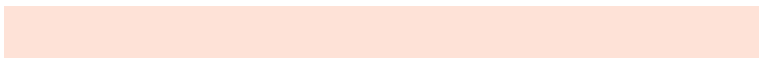
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



70.5965, 80.1954, 83.7099



78.0160, 80.1954, 104.4787



80.2859, 80.1954, 75.4207

Complementary

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



70.5965, 80.1954, 83.7099



71.1144, 69.0006, 77.9807

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.



82.0005, 80.1954, 82.3232



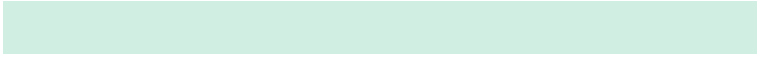
70.5965, 80.1954, 83.7099



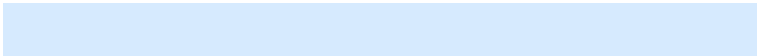
80.6660, 80.1954, 99.2595

Square

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



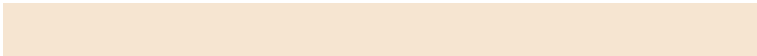
70.5965, 80.1954, 83.7099



74.9524, 80.1954, 104.9124



82.1415, 80.1954, 91.0307



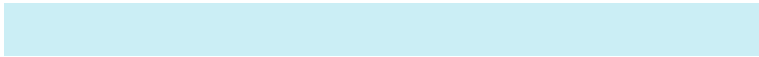
77.5085, 80.1954, 71.8117

Rectangle

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



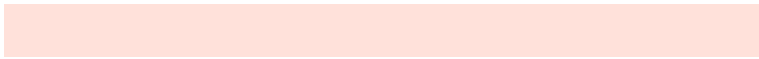
70.5965, 80.1954, 83.7099



71.6301, 80.1954, 98.0390



82.1415, 80.1954, 91.0307



81.0088, 80.1954, 77.4107

Sweetspot

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



70.5988, 80.1988, 83.7117



90.7241, 97.8476, 105.1887



71.9301, 81.1414, 72.1935



19.2496, 20.8593, 22.3674



0.0000, 0.0000, 0.0000



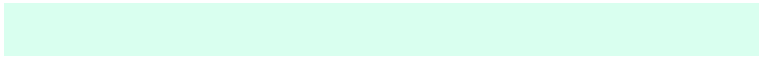
20.3446, 21.4041, 23.3091

Same Dimension

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



70.5988, 80.1988, 83.7117



79.9061, 92.4755, 95.4308



71.6054, 79.4830, 92.4607



15.9546, 17.8118, 18.7836



19.7438, 35.1895, 19.8316



1.6919, 2.9472, 1.9099

Inverse Universe

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



71.1144, 69.0006, 77.9807



80.6366, 76.6162, 87.3153



70.1689, 69.5784, 70.0544



16.0441, 15.8673, 17.7883



20.9755, 10.6626, 7.7875



1.7933, 0.9064, 0.9025

Previews

White Background



This preview shows how the XYZ color 70.5965, 80.1954, 83.7099 looks on a white background.

Color Contrast Check

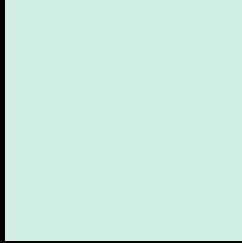
Large Text (above 18pt) WCAG AA × Fail

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 70.5965, 80.1954, 83.7099 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

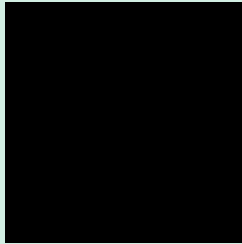
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

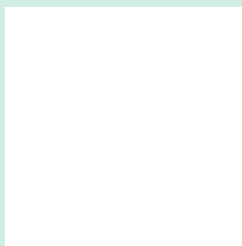
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 70.5965, 80.1954, 83.7099

Background



This preview shows how black text looks on a background with the XYZ color 70.5965, 80.1954, 83.7099.



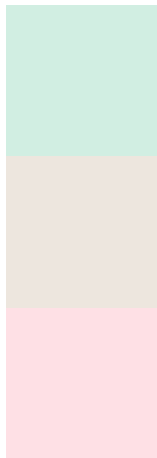
This preview shows how white text looks on a background with the XYZ color 70.5965, 80.1954,

83.7099.

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

70.5965, 80.1954, 83.7099

Protanopia

76.4067, 79.8721, 80.4970

Deuteranopia

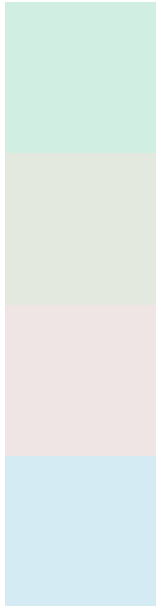
81.6716, 80.0393, 85.2733



Tritanopia

74.8840, 80.2336, 104.4683

Trichromacy



Original Color

70.5965, 80.1954, 83.7099

Protanomaly

74.1367, 79.9364, 81.3339

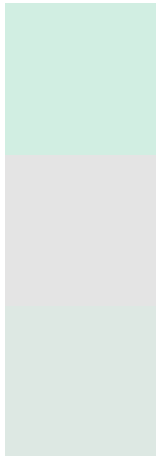
Deuteranomaly

77.2828, 79.8172, 84.7318

Tritanomaly

73.0374, 79.8848, 96.3638

Monochromacy



Original Color

70.5965, 80.1954, 83.7099

Achromatopsia

73.7419, 77.5822, 84.4870

Achromatomaly

72.5405, 78.6314, 84.0271

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.5965, 80.1954, 83.7099 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(209, 238, 226)` looks like.

```
.text, #text, p{  
    color:rgb(209, 238, 226)  
}
```

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(209, 238, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 238, 226) }
```

Border

The CSS property to change the border of an element to XYZ 70.5965, 80.1954, 83.7099 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(209, 238, 226) }
```


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

```
.border{ border-color:rgb(209, 238, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 238, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 238, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 238, 226);  
box-shadow:4px 4px 4px 4px rgb(209, 238,  
226) }
```

Background

The CSS property to change the background color of an element to XYZ 70.5965, 80.1954, 83.7099 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 238, 226) }
```

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

```
.background{ background-color: rgb(209,  
238, 226) }
```

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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