

Converting Colors

XYZ(63.4770, 70.0718, 72.3054)

Have a look what the booklet for
XYZ(63.4770, 70.0718, 72.3054)
contains.

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Color

**XYZ(63.4585, 70.1178,
72.4768)**

Conversions

Conversions Part 1

Format	Color
Hex	CEDED4
RGB	206, 222, 212
RGB Percent	81%, 87%, 83%
CMY	0.1922, 0.1294, 0.1686
CMYK	0.07, 0.00, 0.05, 0.13
HSL	142°, 20%, 84%
HSV	142°, 7%, 87%
XYZ	63.4585, 70.1178, 72.4768
YIQ	216.0760, -6.3260, -6.5020

Conversions

Conversions Part 2

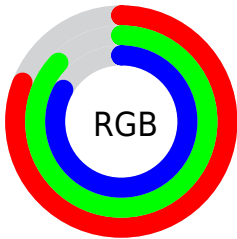
Format	Color
R _Y B	206, 218, 222
Decimal	13557460
CIE Lab	87.05, -7.20, 3.05
CIE LCh	87, 7.817, 157.001
Yxy	70.1178, 0.3080, 0.3403
Android (android.graphics.Color)	4291747540 (0xFFCEDED4)
YUV	216.0760, -2.0095, -8.8367
Hunter-Lab	83.7364, -11.2648, 7.2979

Details

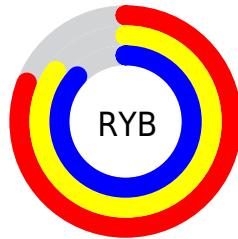
The XYZ color **63.4585, 70.1178, 72.4768** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **64.5927, 64.6318, 74.0398**, and the grayscale version is **65.3400, 68.7428, 74.8609**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **32.8534, 36.7472, 37.2596** is the 20% darker color. If you saturate the color by 10%, you get **56.0495, 66.4940, 63.3820**, and if you desaturate by 10%, it is **71.8924, 74.2566, 82.4080**.

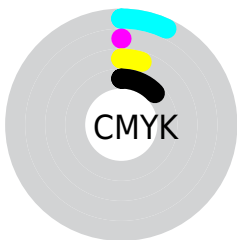
Distribution



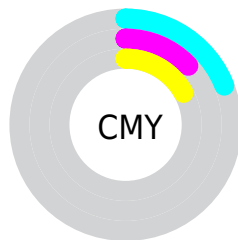
- Red (81%)
- Green (87%)
- Blue (83%)



- Red (81%)
- Yellow (85%)
- Blue (87%)



- Cyan (7%)
- Magenta (0%)
- Yellow (5%)
- Black (13%)



- Cyan (19%)
- Magenta (13%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 63.4585, 70.1178, 72.4768 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 63.4585, 70.1178, 72.4768 by changing the saturation by 10% instead.

■ 63.4585, 70.1178,
72.4768

■ 63.4585, 70.1178,
72.4768

426.8648,
460.9635, 488.2215

■ 46.4723, 51.6226,
53.0590

108.9088,
119.3767, 124.4482

■ 32.8249, 36.7043,
37.4619

138.1036,
150.9092, 157.8389

■ 22.1509, 24.9786,
25.2667

172.0987,
187.5563, 196.7244

■ 14.0850, 16.0611,
16.0550

211.2593,
229.7023, 241.5231

■ 8.2619, 9.5674,
9.4083

255.9509,
277.7316, 292.6536

■ 4.3162, 5.1131,
4.9080

306.5387,

■ 1.8825, 2.3138,

332.0286, 350.5345

2.1356

363.3883,
392.9778, 415.5843

■ 0.5667, 0.7810,
0.6368

■ 0.0000, 0.0000,
0.0000

■ 63.4585, 70.1178,
72.4768

■ 63.4585, 70.1178,
72.4768

■ 56.0495, 66.4940,
63.3820

■ 71.8924, 74.2566,
82.4080

■ 49.6196, 63.3559,
55.0973

■ 81.3832, 78.9204,
93.1916

■ 44.1278, 60.6850,
47.6019

■ 85.1932, 80.6375,
104.5321

■ 39.5282, 58.4580,
40.8723

■ 85.4126, 80.7252,
105.6875

■ 35.7707, 56.6496,
34.8838

■ 32.8002, 55.2319,
29.6104

■ 30.5543, 54.1733,
25.0244

■ 28.9607, 53.4371,
21.0963

■ 27.9249, 52.9751,
17.7936

Harmonies

Analogous

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



64.5499, 70.1178, 68.5789



63.4585, 70.1178, 72.4768



63.2135, 70.1178, 77.5810

Triad

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



63.4585, 70.1178, 72.4768



67.0746, 70.1178, 86.7901



69.4943, 70.1178, 70.4416

Complementary

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



63.4585, 70.1178, 72.4768



64.5927, 64.6318, 74.0398

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.



70.1982, 70.1178, 75.1249



63.4585, 70.1178, 72.4768



68.7847, 70.1178, 84.6793

Square

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



63.4585, 70.1178, 72.4768



65.2797, 70.1178, 86.0020



69.9361, 70.1178, 80.3513



68.0290, 70.1178, 67.4419

Rectangle

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



63.4585, 70.1178, 72.4768



63.5590, 70.1178, 81.0128



69.9361, 70.1178, 80.3513



69.8290, 70.1178, 71.8627

Sweetspot

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



63.4605, 70.1208, 72.4783



92.6894, 98.8419, 106.1326



65.6228, 71.3213, 68.7011



19.8641, 21.1684, 22.7459



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.



63.4605, 70.1208, 72.4783



84.8806, 95.0144, 96.8147



64.4778, 70.5277, 77.8356



13.7403, 15.4218, 15.6675



16.4980, 31.4240, 10.3453



1.1860, 2.1951, 0.9406

Inverse Universe

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



64.5927, 64.6318, 74.0398



86.8060, 85.6795, 99.4700



63.5992, 64.2344, 68.8082



14.0657, 13.8439, 16.1163



20.7067, 10.3497, 15.6530



1.4783, 0.7346, 1.3113

Previews

White Background



This preview shows how the XYZ color 63.4585, 70.1178, 72.4768 looks on a white background.

Color Contrast Check

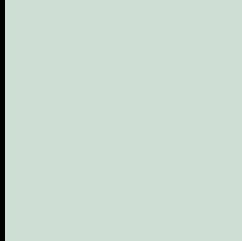
Large Text (above 18pt) WCAG AA × Fail

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 63.4585, 70.1178, 72.4768 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

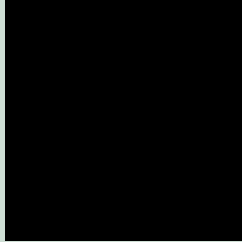
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

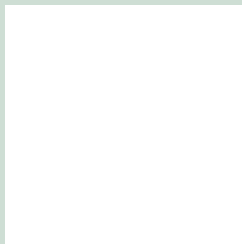
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 63.4585, 70.1178, 72.4768

Background



This preview shows how black text looks on a background with the XYZ color 63.4585, 70.1178, 72.4768.

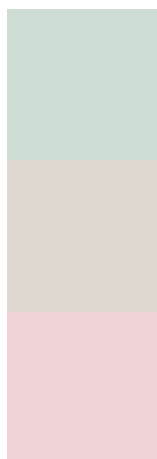


This preview shows how white text looks on a background with the XYZ color 63.4585, 70.1178,

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

63.4585, 70.1178, 72.4768

Protanopia

67.0619, 70.0765, 70.3132

Deuteranopia

71.3670, 69.9688, 73.3622



Tritanopia

66.7901, 69.9006, 89.3288

Trichromacy



Original Color

63.4585, 70.1178, 72.4768

Protanomaly

65.5796, 70.0679, 71.0408

Deuteranomaly

68.3056, 69.8990, 72.8425

Tritanomaly

65.4911, 69.7644, 82.6872

Monochromacy



Original Color

63.4585, 70.1178, 72.4768

Achromatopsia

65.2694, 68.6685, 74.7800

Achromatomaly

64.4885, 69.0462, 74.2183

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.4585, 70.1178, 72.4768 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(206, 222, 212) looks like.

```
.text, #text, p{  
    color:rgb(206, 222, 212)  
}
```

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(206, 222, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 222, 212) }
```

Border

The CSS property to change the border of an element to XYZ 63.4585, 70.1178, 72.4768 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(206, 222, 212) }
```


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

```
.border{ border-color:rgb(206, 222, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 222, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 222, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 222, 212);  
box-shadow:4px 4px 4px 4px rgb(206, 222,  
212) }
```

Background

The CSS property to change the background color of an element to XYZ 63.4585, 70.1178, 72.4768 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 222, 212) }
```

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

```
.background{ background-color: rgb(206,  
222, 212) }
```

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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