

Converting Colors

XYZ(64.8930, 75.4048, 70.4348)

Have a look what the booklet for
XYZ(64.8930, 75.4048, 70.4348)
contains.

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Color

**XYZ(64.7585, 75.3394,
70.1603)**

Conversions

Conversions Part 1

Format	Color
Hex	CAE9CF
RGB	202, 233, 207
RGB Percent	79%, 91%, 81%
CMY	0.2078, 0.0863, 0.1882
CMYK	0.13, 0.00, 0.11, 0.09
HSL	130°, 41%, 85%
HSV	130°, 13%, 91%
XYZ	64.7585, 75.3394, 70.1603
YIQ	220.7670, -10.1300, -14.6580

Conversions

Conversions Part 2

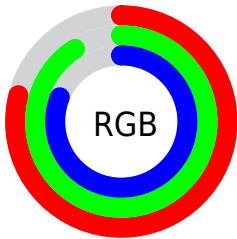
Format	Color
R_{YB}	202, 229, 233
Decimal	13298127
CIE _{Lab}	89.55, -14.99, 9.24
CIE _{LCh}	90, 17.613, 148.358
Yxy	75.3394, 0.3080, 0.3583
Android (android.graphics.Color)	4291488207 (0xFFCAE9CF)
YUV	220.7670, -6.7871, -16.4587
Hunter-Lab	86.7983, -18.7216, 12.8338

Details

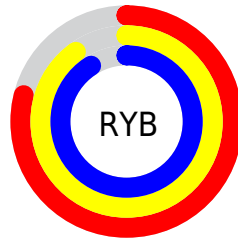
The XYZ color **64.7585, 75.3394, 70.1603** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **68.7311, 65.1679, 82.3584**, and the grayscale version is **68.6167, 72.1901, 78.6151**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **33.6847, 40.0401, 36.0901** is the 20% darker color. If you saturate the color by 10%, you get **56.6806, 71.4364, 58.0731**, and if you desaturate by 10%, it is **74.0882, 79.8578, 83.8529**.

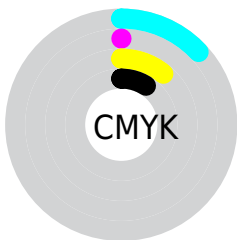
Distribution



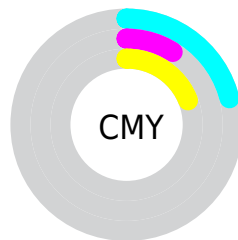
- Red (79%)
- Green (91%)
- Blue (81%)



- Red (79%)
- Yellow (90%)
- Blue (91%)



- Cyan (13%)
- Magenta (0%)
- Yellow (11%)
- Black (9%)



- Cyan (21%)
- Magenta (9%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.7585, 75.3394, 70.1603 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 64.7585, 75.3394, 70.1603 by changing the saturation by 10% instead.

64.7585, 75.3394,
70.1603

64.7585, 75.3394,
70.1603

431.4826,
479.0833, 479.9170

47.5293, 55.8910,
51.1796

110.7702,
126.7927, 121.1206

33.6639, 40.1155,
35.9739

140.2834,
159.5663, 153.9373

22.7972, 27.6286,
24.1245

174.6220,
197.5505, 192.2030

14.5637, 18.0459,
15.2129

214.1512,
241.1296, 236.3364

8.5981, 10.9829,
8.8207

259.2366,
290.6881, 286.7560

4.5350, 6.0554,
4.5292

310.2433,

2.0090, 2.8788,

346.6103, 343.8802

1.9199

367.5369,
409.2805, 408.1277

■ 0.6390, 1.0688,
0.5054

■ 0.0000, 0.0000,
0.0000

■ 64.7585, 75.3394,
70.1603

■ 64.7585, 75.3394,
70.1603

■ 56.6806, 71.4364,
58.0731

■ 74.0882, 79.8578,
83.8529

■ 49.7950, 68.1131,
47.5278

■ 84.7136, 85.0067,
99.2017

■ 44.0467, 65.3444,
38.4638

■ 88.4304, 86.7608,
106.6935

■ 39.3737, 63.0998,
30.8146

■ 35.7081, 61.3459,
24.5087

■ 32.9742, 60.0452,
19.4684

■ 31.0852, 59.1549,
15.6079

■ 29.9374, 58.6235,
12.8306

■ 29.4835, 58.4180,
11.5203

Harmonies

Analogous

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



67.7299, 75.3394, 62.8066



64.7585, 75.3394, 70.1603



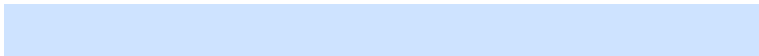
63.6123, 75.3394, 81.3510

Triad

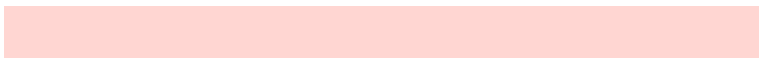
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



64.7585, 75.3394, 70.1603



71.3697, 75.3394, 108.2173



79.1785, 75.3394, 71.2311

Complementary

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



64.7585, 75.3394, 70.1603



68.7311, 65.1679, 82.3584

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.



80.2467, 75.3394, 82.7164



64.7585, 75.3394, 70.1603



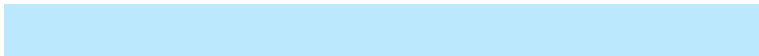
75.6310, 75.3394, 104.8272

Square

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



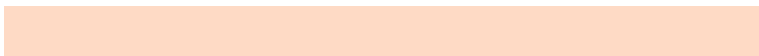
64.7585, 75.3394, 70.1603



67.3329, 75.3394, 104.0253



78.9239, 75.3394, 95.1722



76.0600, 75.3394, 63.3797

Rectangle

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



64.7585, 75.3394, 70.1603



64.0011, 75.3394, 89.7641



78.9239, 75.3394, 95.1722



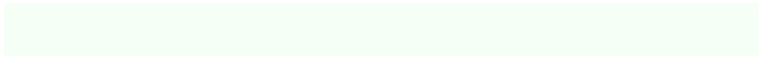
79.7946, 75.3394, 74.7568

Sweetspot

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



64.7606, 75.3426, 70.1620



90.0494, 97.5777, 101.6357



71.9088, 79.0972, 67.3552



19.0792, 20.7911, 21.4697



0.0000, 0.0000, 0.0000



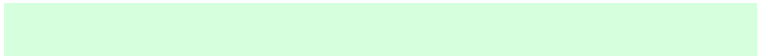
20.3446, 21.4041, 23.3091

Same Dimension

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



64.7606, 75.3426, 70.1620



76.5719, 91.0550, 81.7929



66.7033, 76.1197, 80.3923



14.9674, 16.9018, 16.5112



16.7583, 33.1578, 6.6923



1.3456, 2.6156, 0.6819

Inverse Universe

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



68.7311, 65.1679, 82.3584



82.3457, 76.2578, 99.5277



66.7184, 64.3628, 71.7596



15.6044, 15.2696, 18.4679



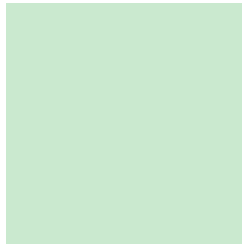
24.7229, 12.0919, 30.6720



1.9693, 0.9607, 2.5555

Previews

White Background



This preview shows how the XYZ color 64.7585, 75.3394, 70.1603 looks on a white background.

Color Contrast Check

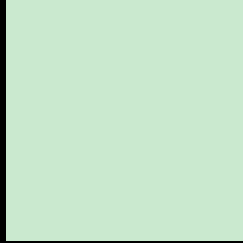
Large Text (above 18pt) WCAG AA × Fail

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 64.7585, 75.3394, 70.1603 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

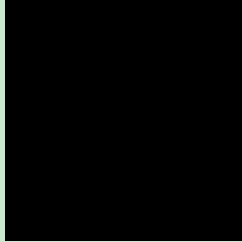
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

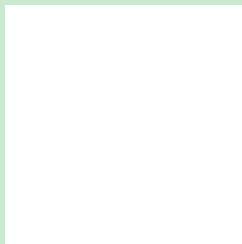
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 64.7585, 75.3394, 70.1603

Background



This preview shows how black text looks on a background with the XYZ color 64.7585, 75.3394, 70.1603.



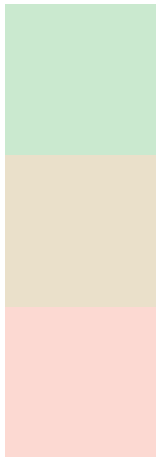
This preview shows how white text looks on a background with the XYZ color 64.7585, 75.3394,

70.1603.

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

64.7585, 75.3394, 70.1603

Protanopia

71.2480, 75.0680, 66.6115

Deuteranopia

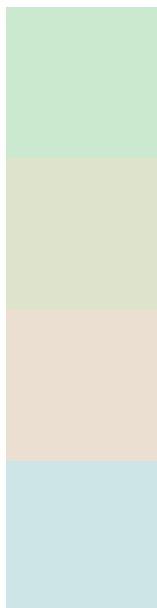
76.5906, 74.9743, 71.4075



Tritanopia

70.1161, 75.0019, 97.9701

Trichromacy



Original Color

64.7585, 75.3394, 70.1603

Protanomaly

68.4924, 74.8274, 67.9599

Deuteranomaly

71.8280, 74.8712, 70.9875

Tritanomaly

68.0384, 74.9866, 87.2318

Monochromacy



Original Color

64.7585, 75.3394, 70.1603

Achromatopsia

68.7264, 72.3055, 78.7407

Achromatomaly

67.0514, 73.1044, 75.5423

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.7585, 75.3394, 70.1603 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, 233, 207)` looks like.

```
.text, #text, p{  
    color:rgb(202, 233, 207)  
}
```

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, 233, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 233, 207) }
```

Border

The CSS property to change the border of an element to XYZ 64.7585, 75.3394, 70.1603 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, 233, 207) }
```


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

```
.border{ border-color:rgb(202, 233, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 233, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 233, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 233, 207);  
box-shadow:4px 4px 4px 4px rgb(202, 233,  
207) }
```

Background

The CSS property to change the background color of an element to XYZ 64.7585, 75.3394, 70.1603 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 233, 207) }
```

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

```
.background{ background-color: rgb(202,  
233, 207) }
```

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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