

Converting Colors

XYZ(67.8178, 74.3007, 85.9788)

Have a look what the booklet for
XYZ(67.8178, 74.3007, 85.9788)
contains.

XYZ(67.7585, 74.4654, 85.6649)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(67.7585, 74.4654,
85.6649)**

Conversions

Conversions Part 1

Format	Color
Hex	CFE4E6
RGB	207, 228, 230
RGB Percent	81%, 89%, 90%
CMY	0.1882, 0.1059, 0.0980
CMYK	0.10, 0.01, 0.00, 0.10
HSL	185°, 32%, 86%
HSV	185°, 10%, 90%
XYZ	67.7585, 74.4654, 85.6649
YIQ	221.9490, -13.1580, -3.8300

Conversions

Conversions Part 2

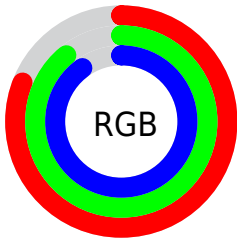
Format	Color
R _Y B	207, 218, 230
Decimal	13624550
CIE Lab	89.14, -6.54, -3.35
CIE LCh	89, 7.347, 207.165
Yxy	74.4654, 0.2973, 0.3268
Android (android.graphics.Color)	4291814630 (0xFFCFE4E6)
YUV	221.9490, 3.9691, -13.1103
Hunter-Lab	86.2933, -10.8531, 1.5471

Details

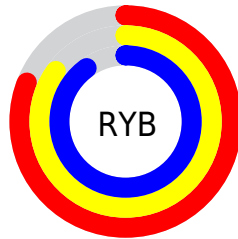
The XYZ color **67.7585, 74.4654, 85.6649** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **66.6965, 66.9286, 68.4361**, and the grayscale version is **69.3765, 72.9895, 79.4855**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **35.8183, 39.7546, 46.3430** is the 20% darker color. If you saturate the color by 10%, you get **61.2494, 70.3011, 85.2053**, and if you desaturate by 10%, it is **75.2143, 79.1312, 86.1737**.

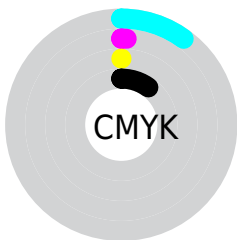
Distribution



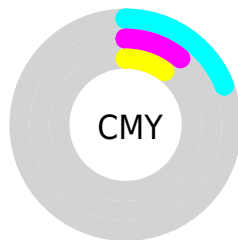
- Red (81%)
- Green (89%)
- Blue (90%)



- Red (81%)
- Yellow (85%)
- Blue (90%)



- Cyan (10%)
- Magenta (1%)
- Yellow (0%)
- Black (10%)



- Cyan (19%)
- Magenta (11%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 67.7585, 74.4654, 85.6649 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 67.7585, 74.4654, 85.6649 by changing the saturation by 10% instead.

■ 67.7585, 74.4654,
85.6649

■ 67.7585, 74.4654,
85.6649

442.0300,
476.0781, 534.0275

■ 49.9742, 55.1750,
63.8376

115.0504,
125.5553, 143.1842

■ 35.6107, 39.5419,
46.0738

145.2888,
158.1237, 179.7132

■ 24.3024, 27.1815,
31.9550

180.4092,
195.8868, 221.9799

■ 15.6840, 17.7096,
21.0626

220.7771,
239.2291, 270.4029

■ 9.3903, 10.7417,
12.9781

266.7577,
288.5350, 325.4006

■ 5.0557, 5.8934,
7.2829

318.7166,

■ 2.3151, 2.7804,

344.1889, 387.3915

3.5585

377.0189,
406.5751, 456.7943

■ 0.8024, 1.0182,
1.3864

■ 0.0000, 0.0000,
0.1311

■ 67.7585, 74.4654,
85.6649

■ 67.7585, 74.4654,
85.6649

■ 61.2494, 70.3011,
85.2053

■ 75.2143, 79.1312,
86.1737

■ 55.6403, 66.6082,
84.7882

■ 83.6481, 84.3086,
86.7285

■ 50.8900, 63.3673,
84.4130

■ 84.9445, 85.8159,
86.9511

■ 46.9517, 60.5544,
84.0776

■ 85.5161, 86.9592,
87.1417

43.7740, 58.1429,
83.7796

86.0942, 88.1154,
87.3344

41.2998, 56.1033,
83.5163

86.6787, 89.2844,
87.5292

39.4638, 54.4018,
83.2847

87.2697, 90.4664,
87.7262

38.1880, 52.9985,
83.0811

87.8672, 91.6613,
87.9254

37.3385, 51.8240,
82.8991

88.4711, 92.8692,
88.1267

Harmonies

Analogous

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



67.3944, 74.4654, 80.5936



67.7585, 74.4654, 85.6649



68.9270, 74.4654, 89.6489

Triad

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



67.7585, 74.4654, 85.6649



73.7090, 74.4654, 86.5440



70.9475, 74.4654, 71.6270

Complementary

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



67.7585, 74.4654, 85.6649



66.6965, 66.9286, 68.4361

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.



72.6601, 74.4654, 73.0756



67.7585, 74.4654, 85.6649



74.2712, 74.4654, 81.5687

Square

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



67.7585, 74.4654, 85.6649



72.3604, 74.4654, 90.1713



73.8841, 74.4654, 76.6620



69.2171, 74.4654, 72.6216

Rectangle

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



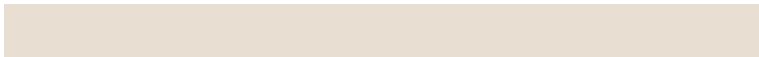
67.7585, 74.4654, 85.6649



70.0152, 74.4654, 91.0772



73.8841, 74.4654, 76.6620



71.5446, 74.4654, 71.8429

Sweetspot

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



67.7606, 74.4685, 85.6666



92.0798, 98.1549, 108.7004



65.5285, 74.4596, 71.1873



19.5430, 20.9058, 23.2551



0.0000, 0.0000, 0.0000



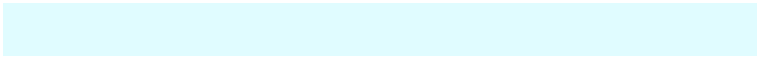
20.3446, 21.4041, 23.3091

Same Dimension

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



67.7606, 74.4685, 85.6666



83.8330, 92.9681, 108.1339



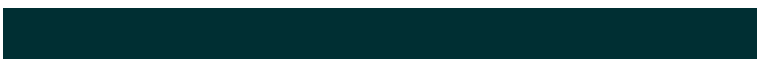
64.7219, 68.3911, 84.6536



14.6948, 16.1111, 18.4796



21.1842, 29.4305, 46.9473



1.5971, 2.2381, 3.4798

Inverse Universe

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



68.9512, 67.0516, 82.7106



85.6285, 81.8367, 103.6642



69.5995, 72.7347, 69.4037



14.9383, 14.5925, 17.8755



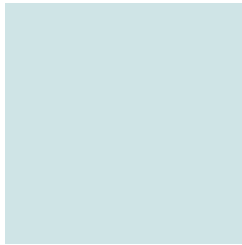
25.0863, 12.1687, 35.6792



1.8698, 0.9056, 2.7206

Previews

White Background



This preview shows how the XYZ color 67.7585, 74.4654, 85.6649 looks on a white background.

Color Contrast Check

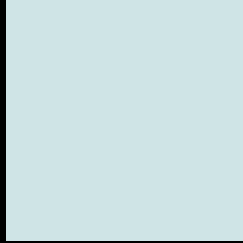
Large Text (above 18pt) WCAG AA × Fail

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 67.7585, 74.4654, 85.6649 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

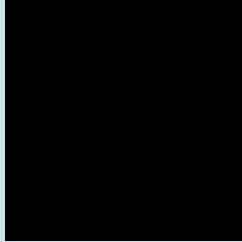
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

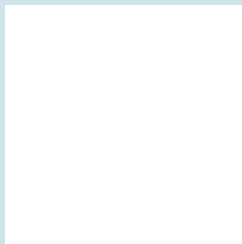
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 67.7585, 74.4654, 85.6649

Background



This preview shows how black text looks on a background with the XYZ color 67.7585, 74.4654, 85.6649.



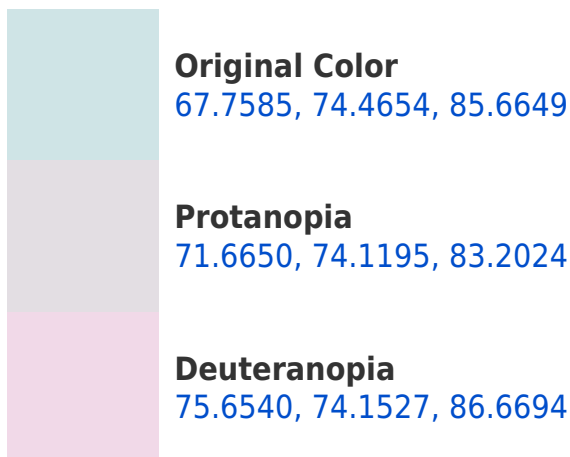
This preview shows how white text looks on a background with the XYZ color 67.7585, 74.4654,

85.6649.

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

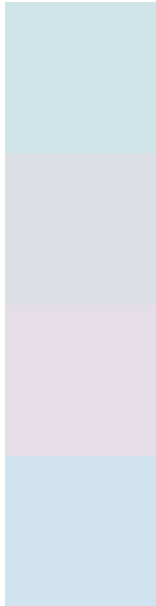




Tritanopia

69.8200, 74.4797, 96.2841

Trichromacy



Original Color

67.7585, 74.4654, 85.6649

Protanomaly

70.1744, 74.1284, 84.0084

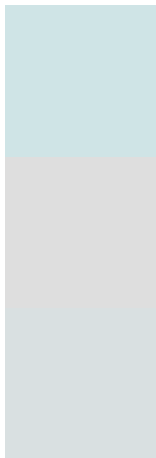
Deuteranomaly

72.5934, 74.1404, 86.0858

Tritanomaly

69.0615, 74.5801, 92.4168

Monochromacy



Original Color

67.7585, 74.4654, 85.6649

Achromatopsia

69.4303, 73.0461, 79.5472

Achromatomaly

68.8615, 73.4993, 81.7915

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.7585, 74.4654, 85.6649 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(207, 228, 230)` looks like.

```
.text, #text, p{  
    color:rgb(207, 228, 230)  
}
```

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(207, 228, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 228, 230) }
```

Border

The CSS property to change the border of an element to XYZ 67.7585, 74.4654, 85.6649 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(207, 228, 230) }
```


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

```
.border{ border-color:rgb(207, 228, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(207, 228, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 228, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 228, 230);  
box-shadow:4px 4px 4px 4px rgb(207, 228,  
230) }
```

Background

The CSS property to change the background color of an element to XYZ 67.7585, 74.4654, 85.6649 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 228, 230) }
```

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

```
.background{ background-color: rgb(207,  
228, 230) }
```

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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