

Converting Colors

XYZ(67.0568, 76.7058, 89.4400)

Have a look what the booklet for
XYZ(67.0568, 76.7058, 89.4400)
contains.

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Color

**XYZ(66.7798, 76.3883,
89.0666)**

Conversions

Conversions Part 1

Format	Color
Hex	C3EAEA
RGB	195, 234, 234
RGB Percent	76%, 92%, 92%
CMY	0.2353, 0.0823, 0.0823
CMYK	0.17, 0.00, 0.00, 0.08
HSL	180°, 48%, 84%
HSV	180°, 17%, 92%
XYZ	66.7798, 76.3883, 89.0666
YIQ	222.3390, -23.2440, -8.2680

Conversions

Conversions Part 2

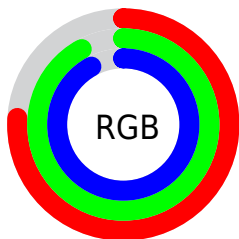
Format	Color
R_{YB}	195, 215, 234
Decimal	12839658
CIE _{Lab}	90.04, -12.57, -4.22
CIE _{LCh}	90, 13.255, 198.562
Yxy	76.3883, 0.2876, 0.3289
Android (android.graphics.Color)	4291029738 (0xFFC3EAEA)
YUV	222.3390, 5.7489, -23.9763
Hunter-Lab	87.4004, -16.5647, 0.7600

Details

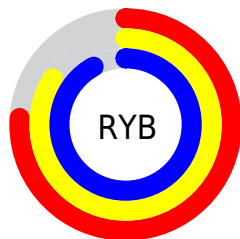
The XYZ color **66.7798, 76.3883, 89.0666** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **63.2999, 60.4649, 59.9678**, and the grayscale version is **69.6450, 73.2719, 79.7931**.

A 20% lighter version of the original color is **93.9549, 99.4354, 108.8487**, and **34.9408, 40.7179, 48.1372** is the 20% darker color. If you saturate the color by 10%, you get **61.2014, 73.5146, 88.8056**, and if you desaturate by 10%, it is **73.3101, 79.7568, 89.3753**.

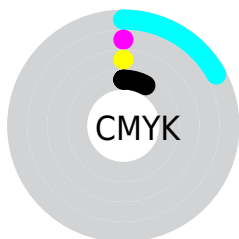
Distribution



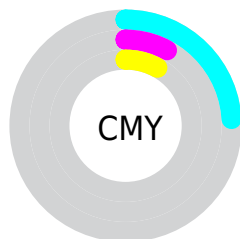
- Red (76%)
- Green (92%)
- Blue (92%)



- Red (76%)
- Yellow (84%)
- Blue (92%)



- Cyan (17%)
- Magenta (0%)
- Yellow (0%)
- Black (8%)



- Cyan (24%)
- Magenta (8%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 66.7798, 76.3883, 89.0666 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 66.7798, 76.3883, 89.0666 by changing the saturation by 10% instead.

66.7798, 76.3883,
89.0666

66.7798, 76.3883,
89.0666

438.6054,
482.6759, 545.4814

49.1757, 56.7510,
66.6374

113.6564,
128.2756, 147.9653

34.9740, 40.8053,
48.3303

143.6596,
161.2944, 185.2720

23.8093, 28.1670,
33.7267

178.5266,
199.5425, 228.3748

15.3162, 18.4516,
22.4080

218.6227,
243.4043, 277.6925

9.1293, 11.2747,
13.9558

264.3132,
293.2641, 333.6434

4.8834, 6.2519,
7.9516

315.9637,

2.2131, 2.9989,

349.5064, 396.6462

3.9766

373.9392,
412.5155, 467.1193

0.7496, 1.1311,
1.6125

0.0000, 0.0044,
0.2997

66.7798, 76.3883,
89.0666

66.7798, 76.3883,
89.0666

61.2014, 73.5146,
88.8056

73.3101, 79.7568,
89.3753

56.5243, 71.1035,
88.5852


80.8268, 83.6317,
89.7286


52.7033, 69.1337,
88.4049

85.5166, 86.0494,
89.9496


49.6863, 67.5784,
88.2622


85.5169, 86.0495,
89.9511


 47.4162, 66.4082,
88.1545


 85.5172, 86.0496,
89.9527


 45.8277, 65.5893,
88.0786

 85.5175, 86.0497,
89.9542


 44.8448, 65.0826,
88.0311

 85.5177, 86.0498,
89.9557

 44.3710, 64.8384,
88.0074

 85.5180, 86.0500,
89.9572

 44.2733, 64.7881,
88.0023

 85.5183, 86.0501,
89.9587

Harmonies

Analogous

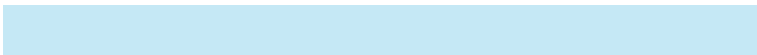
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



66.5879, 76.3883, 79.6377



66.7798, 76.3883, 89.0666



68.5041, 76.3883, 97.4864

Triad

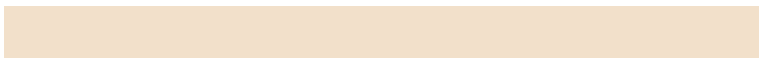
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



66.7798, 76.3883, 89.0666



77.4439, 76.3883, 95.7300



73.8646, 76.3883, 66.6728

Complementary

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



66.7798, 76.3883, 89.0666



63.2999, 60.4649, 59.9678

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.



76.8660, 76.3883, 70.3356



66.7798, 76.3883, 89.0666



78.9737, 76.3883, 86.8132

Square

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



66.7798, 76.3883, 89.0666



74.6342, 76.3883, 101.5290



78.7590, 76.3883, 77.5470



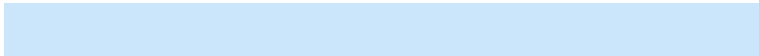
70.6125, 76.3883, 67.1761

Rectangle

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



66.7798, 76.3883, 89.0666



70.3205, 76.3883, 101.1748



78.7590, 76.3883, 77.5470



74.9381, 76.3883, 67.4457

Sweetspot

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



66.7820, 76.3915, 89.0683



90.5136, 97.6614, 108.6868



61.9494, 74.4779, 62.7417



19.2425, 20.8359, 23.2573



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.



66.7820, 76.3915, 89.0683



78.7111, 91.5771, 108.1317



61.6979, 66.2224, 87.3760



15.5177, 17.1219, 19.4089



24.8781, 36.4057, 49.4504



1.9535, 2.8587, 3.8831

Inverse Universe

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



63.2999, 60.4649, 59.9678



73.7325, 68.8056, 66.5242



67.7934, 69.4526, 61.4637



15.0656, 15.0541, 15.6307



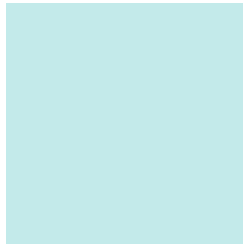
19.0679, 9.8298, 0.8928



1.4973, 0.7719, 0.0702

Previews

White Background



This preview shows how the XYZ color 66.7798, 76.3883, 89.0666 looks on a white background.

Color Contrast Check

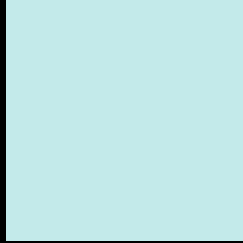
Large Text (above 18pt) WCAG AA × Fail

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 66.7798, 76.3883, 89.0666 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

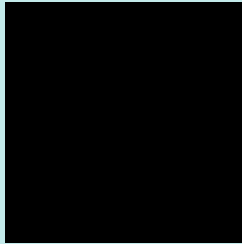
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 66.7798, 76.3883, 89.0666

Background



This preview shows how black text looks on a background with the XYZ color 66.7798, 76.3883, 89.0666.

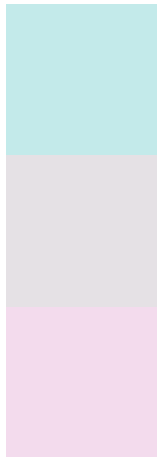


This preview shows how white text looks on a background with the XYZ color 66.7798, 76.3883,

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

66.7798, 76.3883, 89.0666

Protanopia

73.3812, 76.1656, 84.9626

Deuteranopia

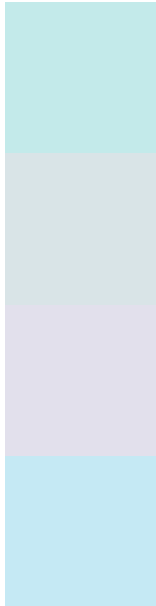
77.5797, 75.8321, 90.6689



Tritanopia

69.4006, 76.6211, 101.5740

Trichromacy



Original Color

66.7798, 76.3883, 89.0666

Protanomaly

70.7825, 76.0080, 86.5417

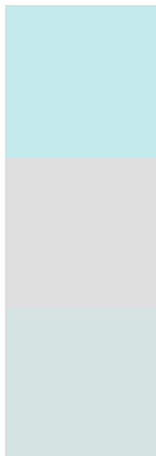
Deuteranomaly

73.1600, 75.5362, 90.0809

Tritanomaly

68.4940, 76.6798, 96.7786

Monochromacy



Original Color

66.7798, 76.3883, 89.0666

Achromatopsia

69.4303, 73.0461, 79.5472

Achromatomaly

68.0752, 73.8807, 82.6240

CSS Examples

Text

The CSS property to change the color of the text to XYZ 66.7798, 76.3883, 89.0666 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(195, 234, 234)` looks like.

```
.text, #text, p{  
    color:rgb(195, 234, 234)  
}
```

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(195, 234, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 234, 234) }
```

Border

The CSS property to change the border of an element to XYZ 66.7798, 76.3883, 89.0666 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(195, 234, 234) }
```


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

```
.border{ border-color:rgb(195, 234, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(195, 234, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(195, 234, 234); -webkit-box-shadow:4px 4px 4px 4px rgb(195, 234, 234); box-shadow:4px 4px 4px 4px rgb(195, 234, 234) }
```

Background

The CSS property to change the background color of an element to XYZ 66.7798, 76.3883, 89.0666 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 234, 234) }
```

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

```
.background{ background-color: rgb(195,  
234, 234) }
```

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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