

Converting Colors

XYZ(49.7820, 67.5007, 85.6406)

Have a look what the booklet for
XYZ(49.7820, 67.5007, 85.6406)
contains.

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Color

**XYZ(50.0310, 67.8033,
86.0517)**

Conversions

Conversions Part 1

Format	Color
Hex	6CEAE7
RGB	108, 234, 231
RGB Percent	42%, 92%, 91%
CMY	0.5764, 0.0823, 0.0941
CMYK	0.54, 0.00, 0.01, 0.08
HSL	179°, 75%, 67%
HSV	179°, 54%, 92%
XYZ	50.0310, 67.8033, 86.0517
YIQ	195.9840, -74.1330, -27.6450

Conversions

Conversions Part 2

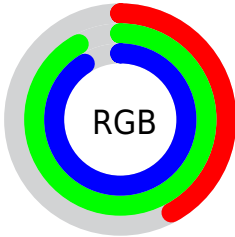
Format	Color
RYB	108, 172, 234
Decimal	7138023
CIELab	85.91, -35.55, -9.21
CIELCh	86, 36.721, 194.522
Yxy	67.8033, 0.2454, 0.3326
Android (android.graphics.Color)	4285328103 (0xFF6CEAE7)
YUV	195.9840, 17.2629, -77.1620
Hunter-Lab	82.3428, -35.6442, -4.3207

Details

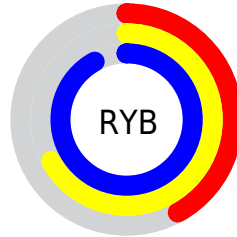
The XYZ color **50.0310, 67.8033, 86.0517** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **42.1658, 29.3674, 18.4875**, and the grayscale version is **52.3933, 55.1219, 60.0277**.

A 20% lighter version of the original color is **70.1722, 87.1750, 107.7357**, and **24.4500, 35.3327, 46.6055** is the 20% darker color. If you saturate the color by 10%, you get **47.4799, 66.4988, 85.5233**, and if you desaturate by 10%, it is **53.3500, 69.5068, 86.6203**.

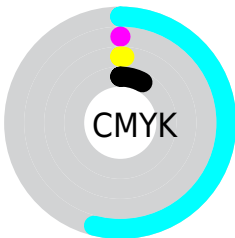
Distribution



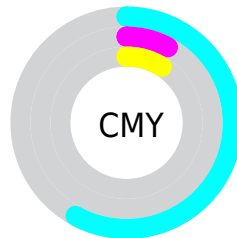
- Red (42%)
- Green (92%)
- Blue (91%)



- Red (42%)
- Yellow (67%)
- Blue (92%)



- Cyan (54%)
- Magenta (0%)
- Yellow (1%)
- Black (8%)





- Cyan (58%)
- Magenta (8%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.0310, 67.8033, 86.0517 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 50.0310, 67.8033, 86.0517 by changing the saturation by 10% instead.


 50.0310, 67.8033,
86.0517


 50.0310, 67.8033,
86.0517


377.2371,
452.7988, 535.3367


 35.6559, 49.7377,
64.1556


 89.4124, 116.0707,
143.7288

 24.3375, 35.2050,
46.3297


 115.1493,
147.0413, 180.3469

 15.7102, 23.8209,
32.1555


 145.4044,
183.0824, 222.7094

 9.4089, 15.2008,
21.2145

180.5427,
224.5784, 271.2348

 5.0681, 8.9604,
13.0881

220.9299,
271.9136, 326.3417

 2.3224, 4.7154,
7.3578

266.9311,

 0.8061, 2.0813,

325.4725, 388.4486

3.6051

318.9117,
385.6394, 457.9741

■ 0.0000, 0.6541,
1.4113

■ 0.0000, 0.0000,
0.1505

■ 50.0310, 67.8033,
86.0517

■ 50.0310, 67.8033,
86.0517

■ 47.4799, 66.4988,
85.5233

■ 53.3500, 69.5068,
86.6203

■ 45.6280, 65.5532,
85.0275


■ 57.4865, 71.6301,
87.2270


■ 44.4049, 64.9317,
84.5624


■ 62.4931, 74.2019,
87.8757


■ 43.7223, 64.5888,
84.1239


■ 68.4161, 77.2461,
88.5686


 43.4870, 64.4730,
83.8633

 75.2988, 80.7850,
89.3078

 83.1815, 84.8395,
90.0950

 85.6455, 86.1004,
90.6300

 85.7261, 86.1327,
91.0547

 85.8071, 86.1650,
91.4808

Harmonies

Analogous

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



50.0900, 67.8033, 62.1495



50.0310, 67.8033, 86.0517



53.5947, 67.8033, 111.2709

Triad

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



50.0310, 67.8033, 86.0517



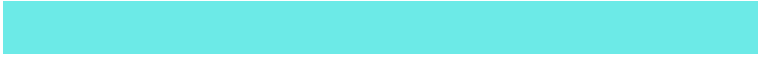
76.4550, 67.8033, 111.9907



68.8552, 67.8033, 37.5989

Complementary

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



50.0310, 67.8033, 86.0517



42.1658, 29.3674, 18.4875

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.



76.6690, 67.8033, 45.8940



50.0310, 67.8033, 86.0517



81.3098, 67.8033, 86.8810

Square

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



50.0310, 67.8033, 86.0517



68.5832, 67.8033, 128.3124



81.3914, 67.8033, 62.8173



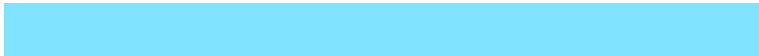
60.4767, 67.8033, 37.4715

Rectangle

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



50.0310, 67.8033, 86.0517



57.7395, 67.8033, 123.9922



81.3914, 67.8033, 62.8173



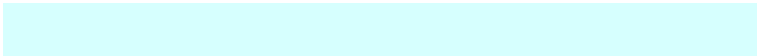
71.6506, 67.8033, 39.4280

Sweetspot

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



50.0330, 67.8059, 86.0533



81.4438, 93.0038, 107.4483



38.8394, 63.3889, 24.3774



17.1050, 19.7384, 22.9607



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.



50.0330, 67.8059, 86.0533



57.3244, 80.6245, 103.8494



36.4068, 39.8691, 83.6214



15.5013, 17.1153, 19.3225



24.4436, 36.2319, 47.1623



1.9243, 2.8471, 3.7294

Inverse Universe

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



42.1658, 29.3674, 18.4875



46.8178, 29.2403, 13.5786



50.4231, 46.1420, 20.4378



15.0800, 15.0599, 15.7067



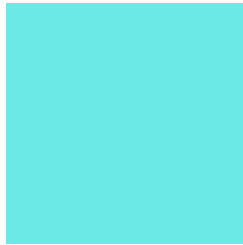
19.0914, 9.8393, 1.0168



1.5043, 0.7747, 0.1069

Previews

White Background



This preview shows how the XYZ color 50.0310, 67.8033, 86.0517 looks on a white background.

Color Contrast Check

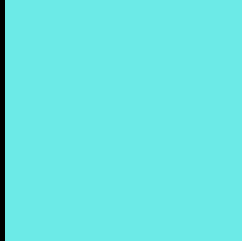
Large Text (above 18pt) WCAG AA × Fail

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 50.0310, 67.8033, 86.0517 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

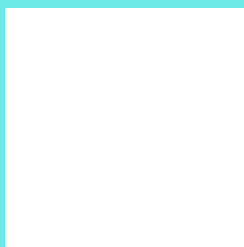
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 50.0310, 67.8033, 86.0517

Background



This preview shows how black text looks on a background with the XYZ color 50.0310, 67.8033, 86.0517.

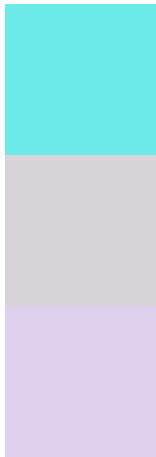


This preview shows how white text looks on a background with the XYZ color 50.0310, 67.8033,

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

50.0310, 67.8033, 86.0517

Protanopia

64.5173, 66.7479, 75.8129

Deuteranopia

68.2734, 66.9142, 89.4381



Tritanopia

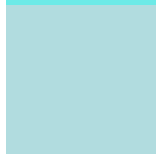
52.9015, 67.6988, 100.7215

Trichromacy



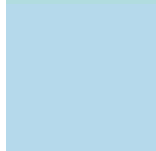
Original Color

50.0310, 67.8033, 86.0517



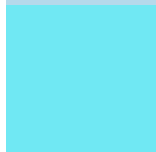
Protanomaly

57.0439, 65.8612, 79.5180



Deuteranomaly

58.8643, 65.4476, 88.1274



Tritanomaly

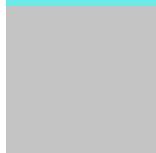
51.7164, 67.6290, 95.1220

Monochromacy



Original Color

50.0310, 67.8033, 86.0517



Achromatopsia

52.4687, 55.2011, 60.1140



Achromatomaly

49.8651, 58.5891, 69.0023

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.0310, 67.8033, 86.0517 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(108, 234, 231)` looks like.

```
.text, #text, p{  
    color:rgb(108, 234, 231)  
}
```

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(108, 234, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 234, 231) }
```

Border

The CSS property to change the border of an element to XYZ 50.0310, 67.8033, 86.0517 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(108, 234, 231) }
```


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

```
.border{ border-color:rgb(108, 234, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 234, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 234, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 234, 231);  
box-shadow:4px 4px 4px 4px rgb(108, 234,  
231) }
```

Background

The CSS property to change the background color of an element to XYZ 50.0310, 67.8033, 86.0517 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 234, 231) }
```

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

```
.background{ background-color: rgb(108,  
234, 231) }
```

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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