

Converting Colors

XYZ(50.4864, 68.1185, 82.4388)

Have a look what the booklet for
XYZ(50.4864, 68.1185, 82.4388)
contains.

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Color

**XYZ(50.4864, 68.1185,
82.4388)**

Conversions

Conversions Part 1

Format	Color
Hex	75EAE2
RGB	117, 234, 226
RGB Percent	46%, 92%, 89%
CMY	0.5412, 0.0823, 0.1137
CMYK	0.50, 0.00, 0.03, 0.08
HSL	176°, 74%, 69%
HSV	176°, 50%, 92%
XYZ	50.4864, 68.1185, 82.4388
YIQ	198.1050, -67.1640, -27.2920

Conversions

Conversions Part 2

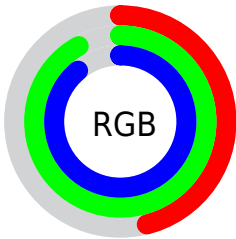
Format	Color
RYB	117, 178, 234
Decimal	7727842
CIELab	86.07, -35.01, -6.31
CIELCh	86, 35.571, 190.220
Yxy	68.1185, 0.2511, 0.3388
Android (android.graphics.Color)	4285917922 (0xFF75EAE2)
YUV	198.1050, 13.7522, -71.1291
Hunter-Lab	82.5339, -35.2451, -1.4479

Details

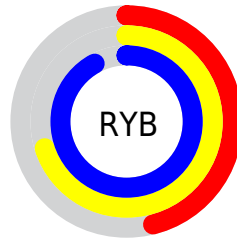
The XYZ color **50.4864, 68.1185, 82.4388** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **43.9969, 31.6977, 23.2038**, and the grayscale version is **53.6904, 56.4865, 61.5138**.

A 20% lighter version of the original color is **71.7145, 87.9701, 107.8079**, and **24.6873, 35.5111, 44.0813** is the 20% darker color. If you saturate the color by 10%, you get **47.5086, 66.6103, 81.1597**, and if you desaturate by 10%, it is **54.2560, 70.0379, 83.7686**.

Distribution



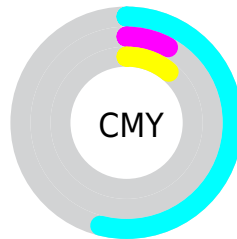
- Red (46%)
- Green (92%)
- Blue (89%)



- Red (46%)
- Yellow (70%)
- Blue (92%)



- Cyan (50%)
- Magenta (0%)
- Yellow (3%)
- Black (8%)





- Cyan (54%)
- Magenta (8%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.4864, 68.1185, 82.4388 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 50.4864, 68.1185, 82.4388 by changing the saturation by 10% instead.


 50.4864, 68.1185,
82.4388


 50.4864, 68.1185,
82.4388

378.9856,
453.9158, 523.0362


 36.0194, 49.9941,
61.1894


 90.0826, 116.5217,
138.6314

 24.6194, 35.4087,
43.9465


 115.9426,
147.5692, 174.4116

 15.9209, 23.9779,
30.2915


 146.3310,
183.6934, 215.8725

 9.5587, 15.3172,
19.8061

181.6130,
225.2784, 263.4326

 5.1674, 9.0423,
12.0715

222.1542,
272.7088, 317.5105

 2.3816, 4.7688,
6.6692

268.3197,

 0.8359, 2.1123,

326.3689, 378.5247

3.1808

320.4751,
386.6430, 446.8938

■ 0.0000, 0.6715,
1.1877

■ 0.0000, 0.0000,
0.0000

■ 50.4864, 68.1185,
82.4388

■ 50.4864, 68.1185,
82.4388

■ 47.5086, 66.6103,
81.1597

■ 54.2560, 70.0379,
83.7686

■ 45.2569, 65.4745,
79.9238


■ 58.8649, 72.3882,
85.1470

■ 43.6650, 64.6786,
78.7294


■ 64.3639, 75.1970,
86.5777


■ 42.6519, 64.1809,
77.5727


■ 70.7982, 78.4878,
88.0630


 42.0787, 63.9098,
76.4472


 78.2097, 82.2822,
89.6049

 42.0787, 63.9097,
76.4471

 85.7468, 86.1410,
91.1635

 85.9799, 86.2342,
92.3911

 86.2152, 86.3283,
93.6297

 86.4525, 86.4232,
94.8794

Harmonies

Analogous

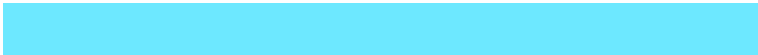
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



51.0625, 68.1185, 59.9661



50.4864, 68.1185, 82.4388



53.4781, 68.1185, 107.1672

Triad

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



50.4864, 68.1185, 82.4388



75.4239, 68.1185, 114.0859



70.2060, 68.1185, 39.3864

Complementary

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



50.4864, 68.1185, 82.4388



43.9969, 31.6977, 23.2038

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.



77.4918, 68.1185, 48.7530



50.4864, 68.1185, 82.4388



80.6753, 68.1185, 90.4553

Square

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



50.4864, 68.1185, 82.4388



67.5710, 68.1185, 127.8215



81.4624, 68.1185, 66.4725



61.9981, 68.1185, 38.1277

Rectangle

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



50.4864, 68.1185, 82.4388



57.2535, 68.1185, 120.4553



81.4624, 68.1185, 66.4725



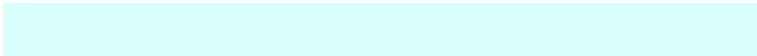
72.8621, 68.1185, 41.5808

Sweetspot

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



50.4884, 68.1212, 82.4404



81.9326, 93.2861, 106.1024



41.3510, 64.6255, 27.1257



17.1885, 19.7889, 22.6288



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.



50.4884, 68.1212, 82.4404



57.6501, 80.9090, 98.5934



39.5908, 44.5274, 84.3528



15.4706, 17.1031, 19.1610



23.6642, 35.9202, 43.0585



1.8716, 2.8260, 3.4517

Inverse Universe

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



43.9969, 31.6977, 23.2038



48.9419, 31.9430, 19.0513



50.7358, 45.9608, 23.0284



15.1073, 15.0708, 15.8501



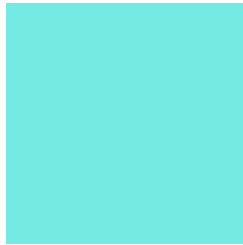
19.1365, 9.8573, 1.2543



1.5173, 0.7799, 0.1757

Previews

White Background



This preview shows how the XYZ color 50.4864, 68.1185, 82.4388 looks on a white background.

Color Contrast Check

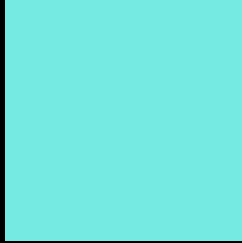
Large Text (above 18pt) WCAG AA × Fail

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 50.4864, 68.1185, 82.4388 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

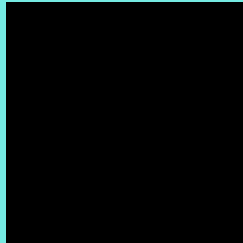
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

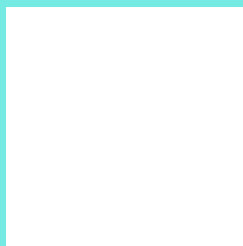
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 50.4864, 68.1185, 82.4388

Background



This preview shows how black text looks on a background with the XYZ color 50.4864, 68.1185, 82.4388.



This preview shows how white text looks on a background with the XYZ color 50.4864, 68.1185,

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

50.4864, 68.1185, 82.4388

Protanopia

64.8453, 67.3490, 73.2003

Deuteranopia

68.7999, 67.2688, 85.7020



Tritanopia

54.1322, 68.3514, 99.9626

Trichromacy



Original Color

50.4864, 68.1185, 82.4388



Protanomaly

57.5674, 66.5986, 76.1504



Deuteranomaly

59.5893, 65.9037, 84.4429



Tritanomaly

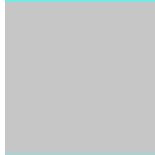
52.7598, 68.2017, 93.6026

Monochromacy



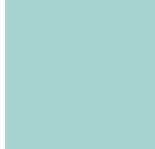
Original Color

50.4864, 68.1185, 82.4388



Achromatopsia

53.6758, 56.4712, 61.4971



Achromatomaly

51.0416, 59.5776, 68.4840

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.4864, 68.1185, 82.4388 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(117, 234, 226)` looks like.

```
.text, #text, p{  
    color:rgb(117, 234, 226)  
}
```

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(117, 234, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 234, 226) }
```

Border

The CSS property to change the border of an element to XYZ 50.4864, 68.1185, 82.4388 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(117, 234, 226) }
```


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

```
.border{ border-color:rgb(117, 234, 226) }
```

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

Here you see how a box with a 4 pixel rgb(117, 234, 226) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 234, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 234, 226);  
box-shadow:4px 4px 4px 4px rgb(117, 234,  
226) }
```

Background

The CSS property to change the background color of an element to XYZ 50.4864, 68.1185, 82.4388 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 234, 226) }
```

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

```
.background{ background-color: rgb(117,  
234, 226) }
```

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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