

Converting Colors

XYZ(48.2988, 66.1008, 80.9510)

Have a look what the booklet for
XYZ(48.2988, 66.1008, 80.9510)
contains.

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Color

**XYZ(48.2550, 66.1592,
80.7477)**

Conversions

Conversions Part 1

Format	Color
Hex	6AE8E0
RGB	106, 232, 224
RGB Percent	42%, 91%, 88%
CMY	0.5843, 0.0902, 0.1216
CMYK	0.54, 0.00, 0.03, 0.09
HSL	176°, 73%, 66%
HSV	176°, 54%, 91%
XYZ	48.2550, 66.1592, 80.7477
YIQ	193.4140, -72.5280, -29.2000

Conversions

Conversions Part 2

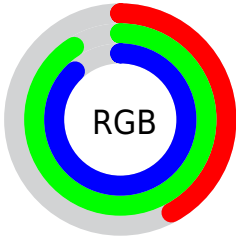
Format	Color
RYB	106, 171, 232
Decimal	7006432
CIELab	85.08, -36.80, -6.76
CIELCh	85, 37.419, 190.407
Yxy	66.1592, 0.2473, 0.3390
Android (android.graphics.Color)	4285196512 (0xFF6AE8E0)
YUV	193.4140, 15.0789, -76.6621
Hunter-Lab	81.3383, -36.4446, -1.9227

Details

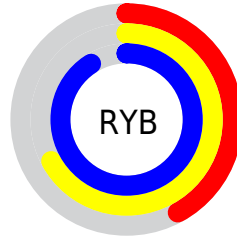
The XYZ color **48.2550, 66.1592, 80.7477** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **41.4722, 28.6807, 19.2720**, and the grayscale version is **50.8785, 53.5282, 58.2922**.

A 20% lighter version of the original color is **69.7463, 86.9555, 107.7158**, and **23.2824, 34.2223, 42.9146** is the 20% darker color. If you saturate the color by 10%, you get **45.6635, 64.8478, 79.5891**, and if you desaturate by 10%, it is **51.5978, 67.8608, 81.9534**.

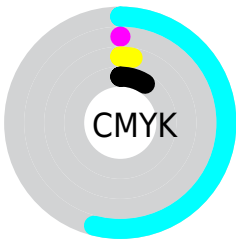
Distribution



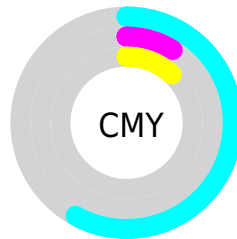
- Red (42%)
- Green (91%)
- Blue (88%)



- Red (42%)
- Yellow (67%)
- Blue (91%)



- Cyan (54%)
- Magenta (0%)
- Yellow (3%)
- Black (9%)





- Cyan (58%)
- Magenta (9%)
- Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.2550, 66.1592, 80.7477 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 48.2550, 66.1592, 80.7477 by changing the saturation by 10% instead.


 48.2550, 66.1592,
80.7477


 48.2550, 66.1592,
80.7477


370.3678,
446.9460, 517.2221


 34.2410, 48.4016,
59.8040


 86.7914, 113.7148,
136.2373

 23.2425, 34.1451,
42.8364


 112.0444,
144.2816, 171.6204

 14.8944, 23.0051,
29.4264


 141.7744,
179.8870, 212.6537

 8.8311, 14.5972,
19.1552

176.3469,
220.9154, 259.7557

 4.6874, 8.5372,
11.6046

216.1271,
267.7510, 313.3450

 2.0979, 4.4406,
6.3558

261.4804,

 0.6881, 1.9229,

320.7784, 373.8402

2.9903

312.7722,
380.3820, 441.6597

■ 0.0000, 0.5621,
1.0897

■ 0.0000, 0.0000,
0.0000

■ 48.2550, 66.1592,
80.7477

■ 48.2550, 66.1592,
80.7477

■ 45.6635, 64.8478,
79.5891

■ 51.5978, 67.8608,
81.9534

■ 43.7558, 63.8871,
78.4701


■ 55.7408, 69.9732,
83.2041


■ 42.4623, 63.2429,
77.3889

■ 60.7356, 72.5246,
84.5038

■ 41.6957, 62.8701,
76.3412

■ 66.6279, 75.5384,
85.8546


 41.4171, 62.7391,
75.7564

 73.4601, 79.0365,
87.2586

 81.2718, 83.0394,
88.7175

 84.9944, 84.9340,
89.9942

 85.2074, 85.0192,
91.1159

 85.4222, 85.1051,
92.2468

Harmonies

Analogous

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



48.8201, 66.1592, 57.5697



48.2550, 66.1592, 80.7477



51.3344, 66.1592, 106.4951

Triad

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



48.2550, 66.1592, 80.7477



73.9804, 66.1592, 113.4604



68.4734, 66.1592, 36.5677

Complementary

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



48.2550, 66.1592, 80.7477



41.4722, 28.6807, 19.2720

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.



76.0439, 66.1592, 45.9499



48.2550, 66.1592, 80.7477



79.4147, 66.1592, 88.7432

Square

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



48.2550, 66.1592, 80.7477



65.8548, 66.1592, 127.9908



80.2019, 66.1592, 63.9748



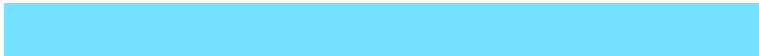
60.0007, 66.1592, 35.3574

Rectangle

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



48.2550, 66.1592, 80.7477



55.2158, 66.1592, 120.3873



80.2019, 66.1592, 63.9748



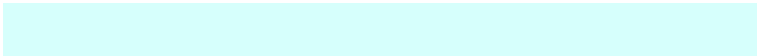
71.2276, 66.1592, 38.7518

Sweetspot

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



48.2569, 66.1618, 80.7493



81.1855, 92.9005, 106.0881



38.4518, 62.3607, 23.6474



17.0426, 19.7134, 22.6325



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.



48.2569, 66.1618, 80.7493



56.3050, 80.2167, 98.4810



36.3127, 40.4952, 82.2492



14.7659, 16.3198, 18.2977



23.0102, 34.8362, 42.1498



1.7124, 2.5791, 3.1781

Inverse Universe

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



41.4722, 28.6807, 19.2720



47.1227, 29.3622, 15.1839



48.5576, 43.5490, 19.4837



14.4139, 14.3828, 15.1142



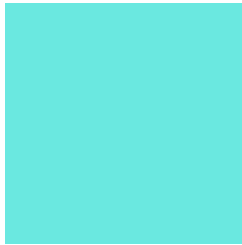
18.5374, 9.5492, 1.1931



1.3830, 0.7109, 0.1573

Previews

White Background



This preview shows how the XYZ color 48.2550, 66.1592, 80.7477 looks on a white background.

Color Contrast Check

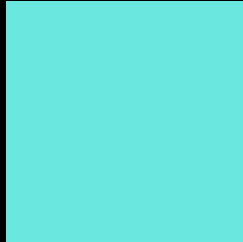
Large Text (above 18pt) WCAG AA × Fail

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 48.2550, 66.1592, 80.7477 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

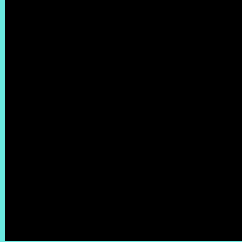
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

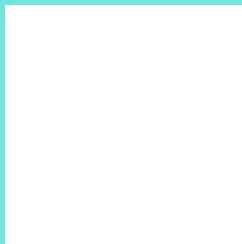
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 48.2550, 66.1592, 80.7477

Background



This preview shows how black text looks on a background with the XYZ color 48.2550, 66.1592, 80.7477.



This preview shows how white text looks on a background with the XYZ color 48.2550, 66.1592,

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

48.2550, 66.1592, 80.7477

Protanopia

62.8288, 65.2434, 70.9098

Deuteranopia

66.5457, 65.0638, 83.9141



Tritanopia

51.7472, 66.3314, 98.0716

Trichromacy



Original Color

48.2550, 66.1592, 80.7477



Protanomaly

55.1453, 64.2146, 74.4539



Deuteranomaly

57.1264, 63.9056, 82.7229



Tritanomaly

50.4323, 66.2051, 91.7822

Monochromacy



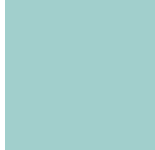
Original Color

48.2550, 66.1592, 80.7477



Achromatopsia

50.6879, 53.3276, 58.0738



Achromatomaly

47.9098, 56.5623, 65.5192

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.2550, 66.1592, 80.7477 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(106, 232, 224)` looks like.

```
.text, #text, p{  
    color:rgb(106, 232, 224)  
}
```

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(106, 232, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 232, 224) }
```

Border

The CSS property to change the border of an element to XYZ 48.2550, 66.1592, 80.7477 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(106, 232, 224) }
```


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

```
.border{ border-color:rgb(106, 232, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 232, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 232, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 232, 224);  
box-shadow:4px 4px 4px 4px rgb(106, 232,  
224) }
```

Background

The CSS property to change the background color of an element to XYZ 48.2550, 66.1592, 80.7477 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 232, 224) }
```

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

```
.background{ background-color: rgb(106,  
232, 224) }
```

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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