

Converting Colors

XYZ(48.4412, 66.3526, 97.3443)

Have a look what the booklet for
XYZ(48.4412, 66.3526, 97.3443)
contains.

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Color

**XYZ(48.4460, 66.3094,
97.4344)**

Conversions

Conversions Part 1

Format	Color
Hex	48E9F6
RGB	72, 233, 246
RGB Percent	28%, 91%, 96%
CMY	0.7176, 0.0863, 0.0353
CMYK	0.71, 0.05, 0.00, 0.04
HSL	184°, 91%, 62%
HSV	184°, 71%, 96%
XYZ	48.4460, 66.3094, 97.4344
YIQ	186.3430, -100.1290, -30.0890

Conversions

Conversions Part 2

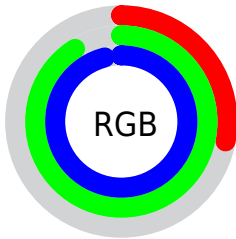
Format	Color
R_{YB}	72, 156, 246
Decimal	4778486
CIE _{Lab}	85.15, -36.61, -18.33
CIE _{LCh}	85, 40.938, 206.593
Yxy	66.3094, 0.2283, 0.3125
Android (android.graphics.Color)	4282968566 (0xFF48E9F6)
YUV	186.3430, 29.4109, -100.2788
Hunter-Lab	81.4306, -36.3074, -13.9410

Details

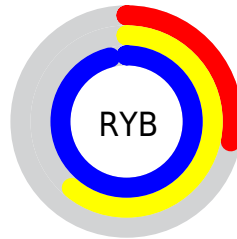
The XYZ color **48.4460, 66.3094, 97.4344** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light washed cyan. A complement of this color would be **42.4260, 26.5597, 9.0234**, and the grayscale version is **46.7476, 49.1821, 53.5593**.

A 20% lighter version of the original color is **65.1377, 84.5796, 107.5001**, and **25.0164, 35.1620, 54.1836** is the 20% darker color. If you saturate the color by 10%, you get **46.4485, 64.5127, 97.1941**, and if you desaturate by 10%, it is **51.1862, 68.4998, 97.7140**.

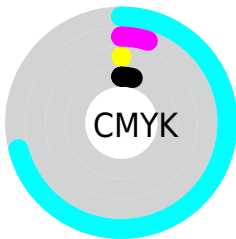
Distribution



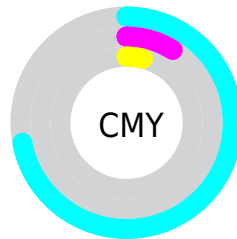
- Red (28%)
- Green (91%)
- Blue (96%)



- Red (28%)
- Yellow (61%)
- Blue (96%)



- Cyan (71%)
- Magenta (5%)
- Yellow (0%)
- Black (4%)





- Cyan (72%)
- Magenta (9%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.4460, 66.3094, 97.4344 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 48.4460, 66.3094, 97.4344 by changing the saturation by 10% instead.


 48.4460, 66.3094,
97.4344


 48.4460, 66.3094,
97.4344


371.1105,
447.4826, 573.1117


 34.3929, 48.5236,
73.5547


 87.0738, 113.9303,
159.6480


 23.3599, 34.2417,
53.9351

 112.3792,
144.5342, 198.8189

 14.9817, 23.0794,
38.1570


 142.1661,
180.1796, 243.9241

 8.8928, 14.6521,
25.8018

 176.7998,
221.2508, 295.3820

 4.7278, 8.5756,
16.4510

216.6458,
268.1324, 353.6112

 2.1216, 4.4654,
9.6860

262.0693,

 0.7009, 1.9372,

321.2086, 419.0301

5.0884

313.4358,
380.8638, 492.0574

■ 0.0000, 0.5706,
2.2396

■ 0.0000, 0.0000,
0.6971

■ 48.4460, 66.3094,
97.4344

■ 48.4460, 66.3094,
97.4344

■ 46.4485, 64.5127,
97.1941

■ 51.1862, 68.4998,
97.7140

■ 45.0940, 63.0541,
96.9840

■ 54.7411, 71.1169,
98.0318

■ 44.2748, 61.9339,
96.8109

■ 59.1808, 74.1982,
98.3925

■ 64.5663, 77.7752,
98.7991

70.9532, 81.8766,
99.2541

78.3927, 86.5287,
99.7600

86.9326, 91.7564,
100.3189

91.3518, 94.8679,
100.6866

91.9187, 96.0018,
100.8756

Harmonies

Analogous

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



46.9129, 66.3094, 69.2201



48.4460, 66.3094, 97.4344



53.7473, 66.3094, 123.5015

Triad

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



48.4460, 66.3094, 97.4344



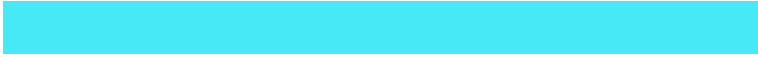
79.0366, 66.3094, 103.9663



64.0860, 66.3094, 32.4104

Complementary

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



48.4460, 66.3094, 97.4344



42.4260, 26.5597, 9.0234

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.



73.3134, 66.3094, 37.5308



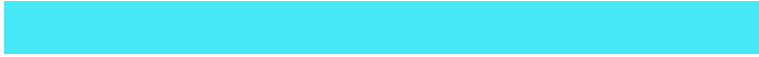
48.4460, 66.3094, 97.4344



82.4592, 66.3094, 75.2636

Square

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



48.4460, 66.3094, 97.4344



71.3107, 66.3094, 127.8738



80.2698, 66.3094, 51.7479



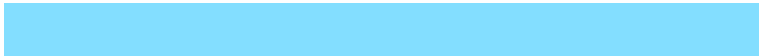
55.4075, 66.3094, 35.6110

Rectangle

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



48.4460, 66.3094, 97.4344



58.9978, 66.3094, 133.8085



80.2698, 66.3094, 51.7479



67.2316, 66.3094, 33.1760

Sweetspot

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



48.4481, 66.3119, 97.4360



76.7556, 88.6940, 107.6819



37.2147, 67.9247, 19.4573



15.9966, 18.7092, 23.0181



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.



48.4481, 66.3119, 97.4360



49.6687, 69.2571, 105.3579



29.8054, 29.0265, 91.2218



16.8846, 18.5334, 21.2300



23.6778, 33.1494, 51.6885



2.1121, 2.9755, 4.5533

Inverse Universe

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



55.0332, 30.1128, 80.0051



57.4927, 28.8829, 84.0570



53.6653, 49.0384, 12.7698



17.1571, 16.7457, 20.5736



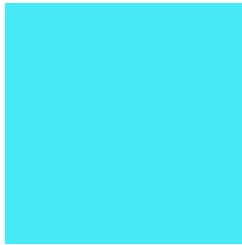
27.7560, 13.4458, 40.2848



2.4551, 1.1880, 3.6231

Previews

White Background



This preview shows how the XYZ color 48.4460, 66.3094, 97.4344 looks on a white background.

Color Contrast Check

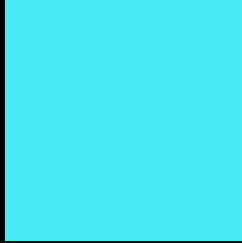
Large Text (above 18pt) WCAG AA × Fail

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 48.4460, 66.3094, 97.4344 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 48.4460, 66.3094, 97.4344

Background



This preview shows how black text looks on a background with the XYZ color 48.4460, 66.3094, 97.4344.

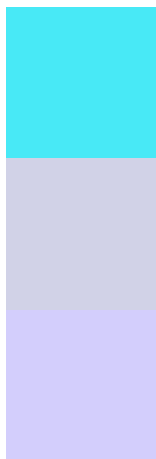


This preview shows how white text looks on a background with the XYZ color 48.4460, 66.3094,

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

48.4460, 66.3094, 97.4344

Protanopia

63.7649, 65.4180, 84.8675

Deuteranopia

66.5060, 65.0198, 101.1403



Tritanopia

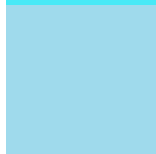
49.1708, 66.1741, 101.4481

Trichromacy



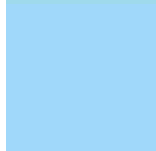
Original Color

48.4460, 66.3094, 97.4344



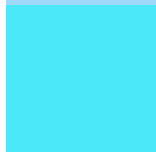
Protanomaly

54.5098, 63.5699, 88.7541



Deuteranomaly

56.3084, 63.4874, 99.7290



Tritanomaly

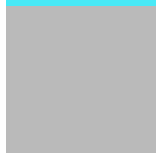
48.7795, 66.0086, 99.7925

Monochromacy



Original Color

48.4460, 66.3094, 97.4344



Achromatopsia

46.6715, 49.1021, 53.4722



Achromatomaly

44.4182, 53.2857, 67.6186

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.4460, 66.3094, 97.4344 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(72, 233, 246)` looks like.

```
.text, #text, p{  
    color:rgb(72, 233, 246)  
}
```

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(72, 233, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 233, 246) }
```

Border

The CSS property to change the border of an element to XYZ 48.4460, 66.3094, 97.4344 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(72, 233, 246) }
```


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

```
.border{ border-color:rgb(72, 233, 246) }
```

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

Here you see how a box with a 4 pixel rgb(72, 233, 246) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 233, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 233, 246);  
box-shadow:4px 4px 4px 4px rgb(72, 233,  
246) }
```

Background

The CSS property to change the background color of an element to XYZ 48.4460, 66.3094, 97.4344 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 233, 246) }
```

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

```
.background{ background-color: rgb(72, 233,  
246) }
```

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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