

Converting Colors

XYZ(46.9580, 64.6348,
100.4433)

Have a look what the booklet for
XYZ(46.9580, 64.6348, 100.4433)
contains.

XYZ(46.9579, 64.6348, 100.4433)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(46.9579, 64.6348,
100.4433)**

Conversions

Conversions Part 1

Format	Color
Hex	2EE7FA
RGB	46, 231, 250
RGB Percent	18%, 91%, 98%
CMY	0.8195, 0.0941, 0.0196
CMYK	0.82, 0.08, 0.00, 0.02
HSL	186°, 95%, 58%
HSV	186°, 82%, 98%
XYZ	46.9579, 64.6348, 100.4433
YIQ	177.8510, -116.3590, -33.3110

Conversions

Conversions Part 2

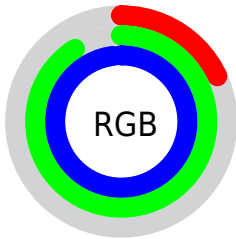
Format	Color
RYB	46, 143, 250
Decimal	3074042
CIELab	84.30, -37.04, -21.77
CIElCh	84, 42.962, 210.447
Yxy	64.6348, 0.2215, 0.3048
Android (android.graphics.Color)	4281264122 (0xFF2EE7FA)
YUV	177.8510, 35.5695, -115.6333
Hunter-Lab	80.3958, -36.4336, -17.7975

Details

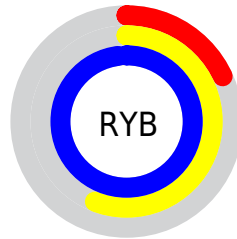
The XYZ color **46.9579, 64.6348, 100.4433** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light washed cyan. A complement of this color would be **41.8096, 24.3042, 5.0743**, and the grayscale version is **42.1039, 44.2966, 48.2390**.

A 20% lighter version of the original color is **62.8633, 83.4071, 107.3937**, and **25.0676, 34.5550, 56.3875** is the 20% darker color. If you saturate the color by 10%, you get **45.4946, 62.9207, 100.1908**, and if you desaturate by 10%, it is **49.0884, 66.7083, 100.7325**.

Distribution



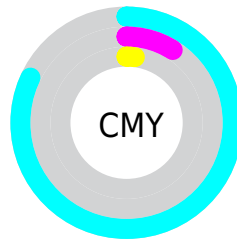
- Red (18%)
- Green (91%)
- Blue (98%)



- Red (18%)
- Yellow (56%)
- Blue (98%)



- Cyan (82%)
- Magenta (8%)
- Yellow (0%)
- Black (2%)



- Cyan (82%)
- Magenta (9%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.9579, 64.6348, 100.4433 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 46.9579, 64.6348, 100.4433 by changing the saturation by 10% instead.

46.9579, 64.6348,
100.4433

46.9579, 64.6348,
100.4433

365.2982,
441.4784, 582.8718

33.2102, 47.1650,
76.0519

84.8699, 111.5247,
163.8234

22.4475, 33.1661,
55.9681

109.7649,
141.7135, 203.6492

14.3045, 22.2537,
39.7735

139.1064,
176.9108, 249.4568

8.4159, 14.0435,
27.0496

173.2596,
217.5010, 301.6649

4.4162, 8.1509,
17.3777

212.5901,
263.8685, 360.6918

1.9402, 4.1917,
10.3393

257.4631,

0.6000, 1.7813,

316.3976, 426.9563

5.5160

308.2440,
375.4728, 500.8768

■ 0.0000, 0.4755,
2.4891

■ 0.0000, 0.0000,
0.8344

■ 46.9579, 64.6348,
100.4433

■ 46.9579, 64.6348,
100.4433

■ 45.4946, 62.9207,
100.1908


■ 49.0884, 66.7083,
100.7325


■ 44.6474, 61.6859,
99.9971

■ 51.9791, 69.1854,
101.0582


■ 55.7146, 72.1109,
101.4260


■ 60.3665, 75.5219,
101.8392

 65.9989, 79.4515,
102.3009

 72.6701, 83.9296,
102.8136

 80.4336, 88.9840,
103.3800

 89.3395, 94.6405,
104.0025

 93.2931, 97.7573,
104.3957

Harmonies

Analogous

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



44.8784, 64.6348, 70.7860



46.9579, 64.6348, 100.4433



52.8353, 64.6348, 126.5775

Triad

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



46.9579, 64.6348, 100.4433



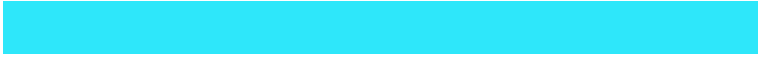
78.7829, 64.6348, 99.5481



61.2908, 64.6348, 29.8761

Complementary

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



46.9579, 64.6348, 100.4433



41.8096, 24.3042, 5.0743

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.



70.9172, 64.6348, 33.8980



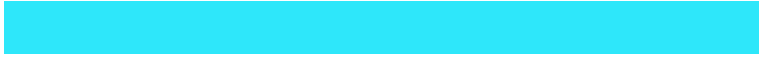
46.9579, 64.6348, 100.4433



81.6285, 64.6348, 69.9682

Square

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



46.9579, 64.6348, 100.4433



71.1897, 64.6348, 125.9737



78.6145, 64.6348, 47.0020



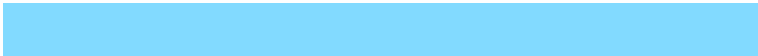
52.6119, 64.6348, 34.1499

Rectangle

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



46.9579, 64.6348, 100.4433



58.4436, 64.6348, 135.8104



78.6145, 64.6348, 47.0020



64.5236, 64.6348, 30.2879

Sweetspot

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



46.9599, 64.6372, 100.4449



74.2153, 86.5999, 107.4116



36.2113, 69.3125, 16.1753



15.3459, 18.1749, 22.9492



0.0000, 0.0000, 0.0000



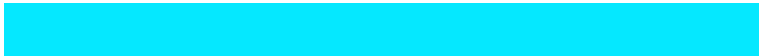
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



46.9599, 64.6372, 100.4449



46.8932, 64.8116, 104.6461



26.5009, 23.7192, 93.6252



17.6195, 19.3158, 22.1850



23.7393, 32.8342, 53.0600



2.2378, 3.1192, 4.9273

Inverse Universe

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



54.8269, 28.0494, 78.1281



55.8218, 27.1813, 78.4438



53.3751, 47.4351, 8.9294



17.9192, 17.4951, 21.4304



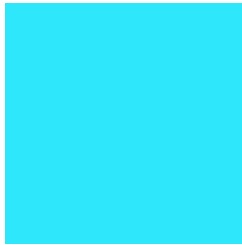
28.2745, 13.7255, 39.7497



2.6384, 1.2791, 3.7854

Previews

White Background



This preview shows how the XYZ color 46.9579, 64.6348, 100.4433 looks on a white background.

Color Contrast Check

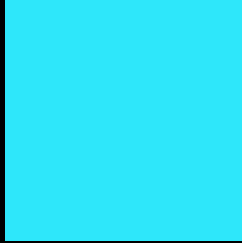
Large Text (above 18pt) WCAG AA × Fail

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 46.9579, 64.6348, 100.4433 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 46.9579, 64.6348, 100.4433

Background



This preview shows how black text looks on a background with the XYZ color 46.9579, 64.6348, 100.4433.

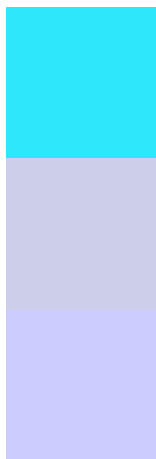


This preview shows how white text looks on a background with the XYZ color 46.9579, 64.6348,

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

46.9579, 64.6348, 100.4433

Protanopia

62.3409, 63.5453, 86.8217

Deuteranopia

64.8197, 63.3849, 103.4259



Tritanopia

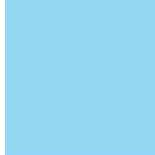
46.9579, 64.6348, 100.4433

Trichromacy



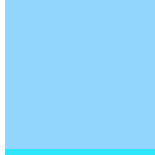
Original Color

46.9579, 64.6348, 100.4433



Protanomaly

52.3167, 61.6060, 91.5719



Deuteranomaly

53.8088, 61.3880, 101.9416



Tritanomaly

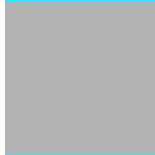
46.9579, 64.6348, 100.4433

Monochromacy



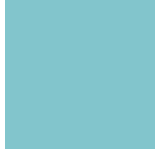
Original Color

46.9579, 64.6348, 100.4433



Achromatopsia

42.3164, 44.5201, 48.4824



Achromatomaly

40.0713, 49.0380, 64.4800

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.9579, 64.6348, 100.4433 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(46, 231, 250)` looks like.

```
.text, #text, p{  
    color:rgb(46, 231, 250)  
}
```

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(46, 231, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 231, 250) }
```

Border

The CSS property to change the border of an element to XYZ 46.9579, 64.6348, 100.4433 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(46, 231, 250) }
```


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

```
.border{ border-color:rgb(46, 231, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(46, 231, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 231, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 231, 250);  
box-shadow:4px 4px 4px 4px rgb(46, 231,  
250) }
```

Background

The CSS property to change the background color of an element to XYZ 46.9579, 64.6348, 100.4433 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 231, 250) }
```

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

```
.background{ background-color: rgb(46, 231,  
250) }
```

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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