

Converting Colors

XYZ(38.3895, 64.3574, 95.8158)

Have a look what the booklet for
XYZ(38.3895, 64.3574, 95.8158)
contains.

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Color

**XYZ(47.4892, 68.8518,
96.3747)**

Conversions

Conversions Part 1

Format	Color
Hex	00F0F4
RGB	0, 240, 244
RGB Percent	0%, 94%, 96%
CMY	0.9997, 0.0588, 0.0431
CMYK	1.00, 0.02, 0.00, 0.04
HSL	181°, 100%, 48%
HSV	181°, 100%, 96%
XYZ	47.4892, 68.8518, 96.3747
YIQ	168.6960, -144.3240, -49.6360

Conversions

Conversions Part 2

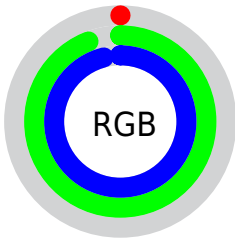
Format	Color
RYB	0, 121, 244
Decimal	61684
CIELab	86.43, -44.76, -15.42
CIELCh	86, 47.339, 199.014
Yxy	68.8518, 0.2233, 0.3237
Android (android.graphics.Color)	4278251764 (0xFF00F0F4)
YUV	168.6960, 37.1249, -147.9464
Hunter-Lab	82.9770, -43.0510, -10.7793

Details

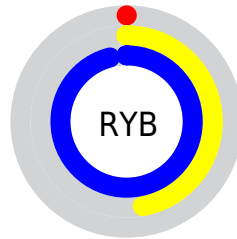
The XYZ color **47.4892, 68.8518, 96.3747** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light saturated cyan. A complement of this color would be **37.3533, 19.3218, 1.7627**, and the grayscale version is **37.4465, 39.3966, 42.9029**.

A 20% lighter version of the original color is **61.2812, 82.5916, 107.3196**, and **26.0106, 37.4978, 53.4439** is the 20% darker color. If you saturate the color by 10%, you get **47.4901, 68.8532, 96.3762**, and if you desaturate by 10%, it is **47.9963, 69.2896, 96.4338**.

Distribution



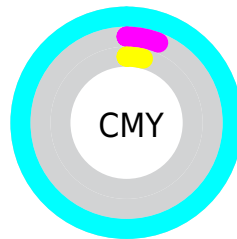
- Red (0%)
- Green (94%)
- Blue (96%)



- Red (0%)
- Yellow (47%)
- Blue (96%)



- Cyan (100%)
- Magenta (2%)
- Yellow (0%)
- Black (4%)





- Cyan (100%)
- Magenta (6%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.4892, 68.8518, 96.3747 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 47.4892, 68.8518, 96.3747 by changing the saturation by 10% instead.

 47.4892, 68.8518,
96.3747


 47.4892, 68.8518,
96.3747


367.3802,
456.5081, 569.6530


 33.6321, 50.5910,
72.6765


 85.6577, 117.5699,
158.1743


 22.7727, 35.8832,
53.2213

 110.6998,
148.7960, 197.1128


 14.5455, 24.3440,
37.5905


 140.2010,
185.1126, 241.9684

 8.5853, 15.5890,
25.3656

 174.5266,
226.9042, 293.1598

 4.5266, 9.2338,
16.1282

 214.0420,
274.5552, 351.1054

 2.0042, 4.8940,
9.4596

259.1124,

 0.6363, 2.1852,

328.4499, 416.2237

4.9413

310.1034,
388.9727, 488.9334

■ 0.0000, 0.7119,
2.1547

■ 0.0000, 0.0000,
0.6480

■ 47.4892, 68.8518,
96.3747

■ 47.4892, 68.8518,
96.3747

■ 47.4901, 68.8532,
96.3762

■ 47.9963, 69.2896,
96.4338

■ 48.9868, 69.9756,
96.5140

■ 50.6129, 70.9897,
96.6240

■ 52.9649, 72.3783,
96.7681

■ 56.1183, 74.1805,
96.9497

■ 60.1393, 76.4303,
97.1720

■ 65.0873, 79.1583,
97.4378

■ 71.0162, 82.3925,
97.7496

■ 77.9761, 86.1586,
98.1097

Harmonies

Analogous

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



46.8759, 68.8518, 64.0564



47.4892, 68.8518, 96.3747



52.5835, 68.8518, 130.3059

Triad

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



47.4892, 68.8518, 96.3747



82.6526, 68.8518, 121.8667



69.5355, 68.8518, 29.9936

Complementary

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



47.4892, 68.8518, 96.3747



37.3533, 19.3218, 1.7627

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.



80.2414, 68.8518, 38.0468



47.4892, 68.8518, 96.3747



88.3574, 68.8518, 87.0531

Square

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



47.4892, 68.8518, 96.3747



72.5422, 68.8518, 147.6296



87.4288, 68.8518, 56.9918



58.8201, 68.8518, 31.1954

Rectangle

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



47.4892, 68.8518, 96.3747



58.1885, 68.8518, 146.5178



87.4288, 68.8518, 56.9918



73.2736, 68.8518, 31.5925

Sweetspot

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



47.4913, 68.8543, 96.3764



71.8863, 87.4668, 107.7017



32.3524, 64.7029, 10.7857



14.8653, 18.4350, 23.0248



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.



47.4913, 68.8543, 96.3764



52.4911, 76.1022, 106.5304



23.2941, 20.4599, 88.3106



16.9721, 18.7084, 21.2591



25.8328, 37.4593, 52.4069



2.2778, 3.3070, 4.6085

Inverse Universe

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



53.0382, 25.5263, 84.5723



58.6243, 28.2137, 93.4744



44.2730, 33.1612, 4.0693



17.2012, 16.7633, 20.8062



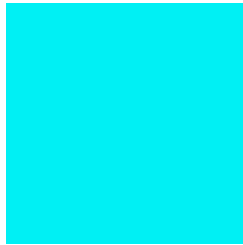
28.8437, 13.8809, 46.0128



2.5388, 1.2215, 4.0635

Previews

White Background



This preview shows how the XYZ color 47.4892, 68.8518, 96.3747 looks on a white background.

Color Contrast Check

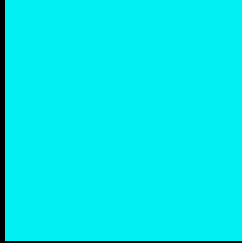
Large Text (above 18pt) WCAG AA × Fail

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 47.4892, 68.8518, 96.3747 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 47.4892, 68.8518, 96.3747

Background



This preview shows how black text looks on a background with the XYZ color 47.4892, 68.8518, 96.3747.

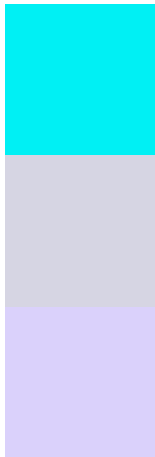


This preview shows how white text looks on a background with the XYZ color 47.4892, 68.8518,

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

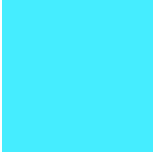
47.4892, 68.8518, 96.3747

Protanopia

65.3909, 67.4307, 82.2420

Deuteranopia

69.1265, 67.4714, 100.6467



Tritanopia

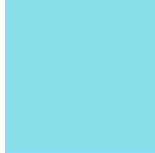
50.7884, 69.0536, 105.2596

Trichromacy



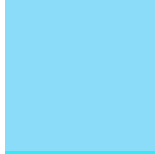
Original Color

47.4892, 68.8518, 96.3747



Protanomaly

51.2490, 63.8928, 86.7222



Deuteranomaly

53.1839, 63.4527, 98.2514



Tritanomaly

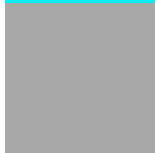
49.0258, 68.6496, 101.9336

Monochromacy



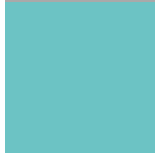
Original Color

47.4892, 68.8518, 96.3747



Achromatopsia

37.7116, 39.6755, 43.2066



Achromatomaly

35.6633, 46.2039, 59.2631

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.4892, 68.8518, 96.3747 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(0, 240, 244)` looks like.

```
.text, #text, p{  
    color:rgb(0, 240, 244)  
}
```

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(0, 240, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 240, 244) }
```

Border

The CSS property to change the border of an element to XYZ 47.4892, 68.8518, 96.3747 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(0, 240, 244) }
```


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

```
.border{ border-color:rgb(0, 240, 244) }
```

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

Here you see how a box with a 4 pixel rgb(0, 240, 244) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 240, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 240, 244);  
box-shadow:4px 4px 4px 4px rgb(0, 240,  
244) }
```

Background

The CSS property to change the background color of an element to XYZ 47.4892, 68.8518, 96.3747 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 240, 244) }
```

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

```
.background{ background-color: rgb(0, 240,  
244) }
```

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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