

Converting Colors

XYZ(48.0258, 65.1449,
104.6507)

Have a look what the booklet for
XYZ(48.0258, 65.1449, 104.6507)
contains.

XYZ(47.9912, 65.0756, 104.6392)	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(47.9912, 65.0756,
104.6392)**

Conversions

Conversions Part 1	
Format	Color
Hex	33E7FF
RGB	51, 231, 255
RGB Percent	20%, 91%, 100%
CMY	0.7999, 0.0941, 0.0000
CMYK	0.80, 0.09, 0.00, 0.00
HSL	187°, 100%, 60%
HSV	187°, 80%, 100%
XYZ	47.9912, 65.0756, 104.6392
YIQ	179.9160, -114.9840, -30.6960

Conversions

Conversions Part 2

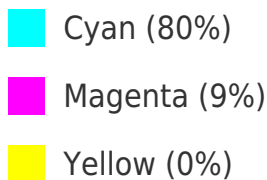
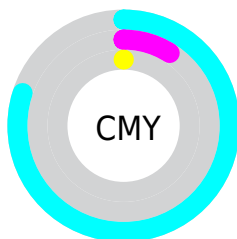
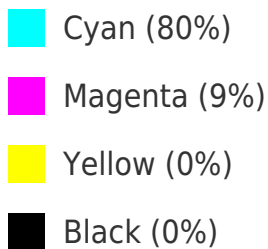
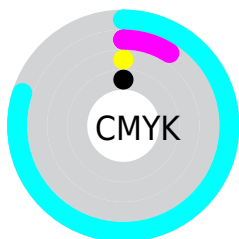
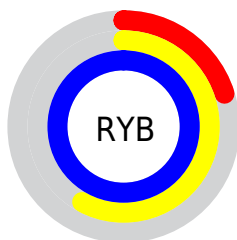
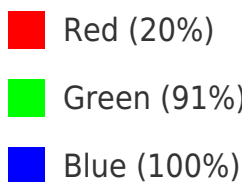
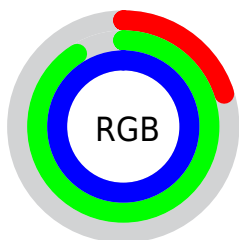
Format	Color
RYB	51, 147, 255
Decimal	3401727
CIELab	84.52, -35.14, -24.05
CIELCh	85, 42.583, 214.391
Yxy	65.0756, 0.2204, 0.2989
Android (android.graphics.Color)	4281591807 (0xFF33E7FF)
YUV	179.9160, 37.0164, -113.0593
Hunter-Lab	80.6694, -34.9798, -20.4385

Details

The XYZ color **47.9912, 65.0756, 104.6392** 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 **44.3552, 26.5337, 5.9181**, and the grayscale version is **43.1932, 45.4426, 49.4870**.

A 20% lighter version of the original color is **63.3257, 83.6455, 107.4153**, and **25.5230, 34.7372, 58.7858** is the 20% darker color. If you saturate the color by 10%, you get **46.2081, 62.9219, 104.3175**, and if you desaturate by 10%, it is **50.4957, 67.6252, 104.9993**.


Distribution




Brightness & Saturation Gradients


These gradients show how the XYZ color 47.9912, 65.0756, 104.6392 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 47.9912, 65.0756, 104.6392 by changing the saturation by 10% instead.


 47.9912, 65.0756,
104.6392


 47.9912, 65.0756,
104.6392


369.3404,
443.0636, 596.3394


 34.0311, 47.5224,
79.5422


 86.4011, 112.1585,
169.6253


 23.0805, 33.4488,
58.8177


 111.5816,
142.4571, 210.3514

 14.7740, 22.4705,
42.0474


 141.2330,
177.7728, 257.1243

 8.7462, 14.2030,
28.8125

 175.7206,
218.4901, 310.3626

 4.6318, 8.2620,
18.6947

215.4098,
264.9935, 370.4846

 2.0654, 4.2631,
11.2753

260.6659,

 0.6703, 1.8218,

317.6673, 437.9091

6.1358

311.8544,
376.8958, 513.0545

0.0000, 0.5007,
2.8577

0.0000, 0.0000,
1.0225

47.9912, 65.0756,
104.6392

47.9912, 65.0756,
104.6392

46.2081, 62.9219,
104.3175

50.4957, 67.6252,
104.9993

44.9763, 61.0723,
104.0254

53.8168, 70.6160,
105.4016

44.9754, 61.0709,
104.0251

58.0410, 74.0939,
105.8502

63.2421, 78.0971,
106.3488

69.4863, 82.6598,
106.9004

76.8339, 87.8132,
107.5078

85.3406, 93.5861,
108.1737

95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



45.3932, 65.0756, 74.9303



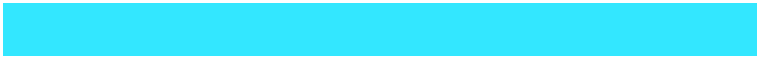
47.9912, 65.0756, 104.6392



54.3002, 65.0756, 129.1582

Triad

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



47.9912, 65.0756, 104.6392



79.7976, 65.0756, 95.9128



60.4668, 65.0756, 30.4974

Complementary

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



47.9912, 65.0756, 104.6392



44.3552, 26.5337, 5.9181

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.



70.0743, 65.0756, 33.4237



47.9912, 65.0756, 104.6392



81.8751, 65.0756, 66.9326

Square

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



47.9912, 65.0756, 104.6392



72.7352, 65.0756, 123.2832



78.1545, 65.0756, 45.2611



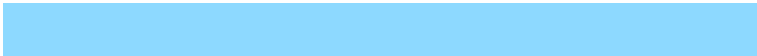
52.1132, 65.0756, 35.9056

Rectangle

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



47.9912, 65.0756, 104.6392



60.0870, 65.0756, 136.5788



78.1545, 65.0756, 45.2611



63.6521, 65.0756, 30.5526

Sweetspot

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



47.9930, 65.0779, 104.6395



73.7528, 85.6749, 107.2575



38.3900, 72.7298, 18.6389



15.2327, 17.9487, 22.9115



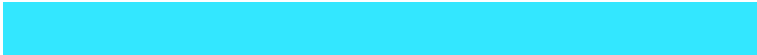
0.0000, 0.0000, 0.0000



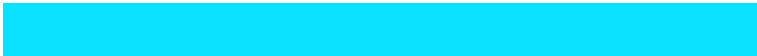
20.3446, 21.4041, 23.3091

Same Dimension

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



47.9930, 65.0779, 104.6395



45.4287, 61.7878, 104.1396



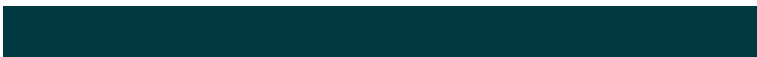
27.2946, 23.6809, 97.7400



18.3617, 20.0950, 23.1609



23.5731, 32.0558, 54.3795



2.3446, 3.2200, 5.3112

Inverse Universe

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



56.8490, 29.3991, 78.2819



55.1058, 26.9834, 74.4000



57.5222, 52.8676, 10.3070



18.6952, 18.2614, 22.2781



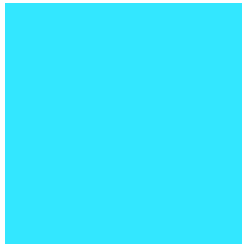
28.6868, 13.9640, 38.5968



2.8181, 1.3696, 3.8894

Previews

White Background



This preview shows how the XYZ color 47.9912, 65.0756, 104.6392 looks on a white background.

Color Contrast Check

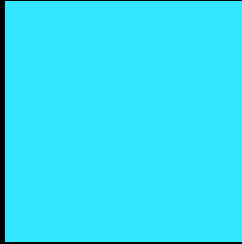
Large Text (above 18pt) WCAG AA × Fail

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 47.9912, 65.0756, 104.6392 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

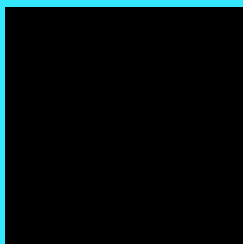
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 47.9912, 65.0756, 104.6392

Background



This preview shows how black text looks on a background with the XYZ color 47.9912, 65.0756, 104.6392.

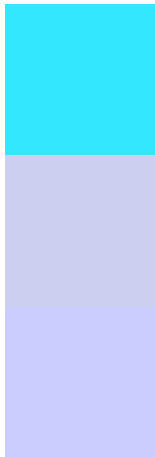


This preview shows how white text looks on a background with the XYZ color 47.9912, 65.0756,

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

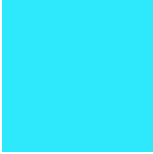
47.9912, 65.0756, 104.6392

Protanopia

62.7947, 63.6950, 90.6461

Deuteranopia

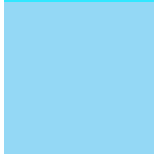
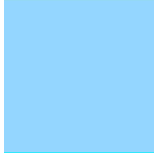
64.7832, 63.7200, 103.4925




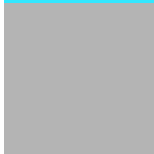
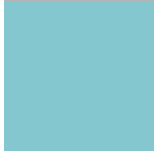
Tritanopia

47.3959, 65.2591, 101.3650

Trichromacy

	Original Color 47.9912, 65.0756, 104.6392
	Protanomaly 53.2500, 62.0002, 95.5469
	Deuteranomaly 54.3093, 61.6090, 103.6371
	Tritanomaly 47.6462, 65.3699, 102.2019

Monochromacy

	Original Color 47.9912, 65.0756, 104.6392
	Achromatopsia 43.3819, 45.6411, 49.7032
	Achromatomaly 41.3588, 50.3384, 66.5679

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.9912, 65.0756, 104.6392 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(51, 231, 255)` looks like.

```
.text, #text, p{  
    color:rgb(51, 231, 255)  
}
```

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(51, 231, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 231, 255) }
```

Border

The CSS property to change the border of an element to XYZ 47.9912, 65.0756, 104.6392 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(51, 231, 255) }
```


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

```
.border{ border-color:rgb(51, 231, 255) }
```

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

Here you see how a box with a 4 pixel rgb(51, 231, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 231, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 231, 255);  
box-shadow:4px 4px 4px 4px rgb(51, 231,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 47.9912, 65.0756, 104.6392 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 231, 255) }
```

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

```
.background{ background-color: rgb(51, 231,  
255) }
```

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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