

Converting Colors

XYZ(58.4978, 79.9813,
106.9625)

Have a look what the booklet for
XYZ(58.4978, 79.9813, 106.9625)
contains.

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Color

**XYZ(58.6548, 80.2953,
107.0149)**

Conversions

Conversions Part 1

Format	Color
Hex	66FDFF
RGB	102, 253, 255
RGB Percent	40%, 99%, 100%
CMY	0.6000, 0.0078, 0.0000
CMYK	0.60, 0.01, 0.00, 0.00
HSL	181°, 100%, 70%
HSV	181°, 60%, 100%
XYZ	58.6548, 80.2953, 107.0149
YIQ	208.0790, -90.6380, -31.3900

Conversions

Conversions Part 2

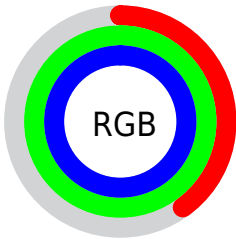
Format	Color
RYB	102, 178, 255
Decimal	6749695
CIELab	91.82, -39.04, -12.96
CIELCh	92, 41.135, 198.361
Yxy	80.2953, 0.2385, 0.3265
Android (android.graphics.Color)	4284939775 (0xFF66FDFF)
YUV	208.0790, 23.1321, -93.0313
Hunter-Lab	89.6076, -39.9720, -8.0824

Details

The XYZ color **58.6548, 80.2953, 107.0149** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **48.5895, 32.1211, 16.2116**, and the grayscale version is **59.9047, 63.0245, 68.6336**.

A 20% lighter version of the original color is **69.7463, 86.9555, 107.7158**, and **29.9330, 43.5571, 60.2558** is the 20% darker color. If you saturate the color by 10%, you get **56.0926, 78.8205, 106.8652**, and if you desaturate by 10%, it is **62.1099, 82.2344, 107.2070**.

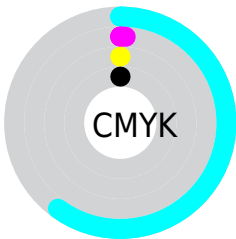
Distribution



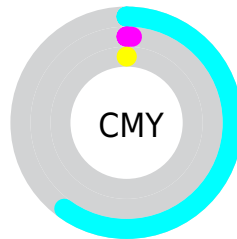
- Red (40%)
- Green (99%)
- Blue (100%)



- Red (40%)
- Yellow (70%)
- Blue (100%)



- Cyan (60%)
- Magenta (1%)
- Yellow (0%)
- Black (0%)




- Cyan (60%)
- Magenta (1%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 58.6548, 80.2953, 107.0149 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 58.6548, 80.2953, 107.0149 by changing the saturation by 10% instead.


 58.6548, 80.2953,
107.0149


 58.6548, 80.2953,
107.0149


409.5361,
495.9275, 603.8942

 42.5806, 59.9614,
81.5223


 101.9933,
133.7808, 172.9000

 29.7493, 43.3875,
60.4384


 129.9883,
167.7012, 214.1296

 19.7955, 30.1893,
43.3445

 162.6876,
206.9193, 261.4420

 12.3539, 19.9823,
29.8221

200.4565,
251.8193, 315.2557

 7.0591, 12.3822,
19.4527

243.6605,
302.7857, 375.9892

 3.5457, 7.0045,
11.8177

292.6649,

 1.4485, 3.4649,

360.2030, 444.0611

6.4986

347.8349,
424.4554, 519.8899

■ 0.2904, 1.3790,
3.0769

■ 0.0000, 0.2012,
1.1341

■ 58.6548, 80.2953,
107.0149

■ 58.6548, 80.2953,
107.0149

■ 56.0926, 78.8205,
106.8652

■ 62.1099, 82.2344,
107.2070

■ 54.3324, 77.7575,
106.7528


■ 66.5254, 84.6670,
107.4438


■ 53.2757, 77.0575,
106.6734

■ 71.9694, 87.6301,
107.7289

■ 52.7579, 76.6356,
106.6193

■ 78.5023, 91.1548,
108.0649

 52.7577, 76.6355,
106.6192

 86.1796, 95.2698,
108.4545

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.



58.1403, 80.2953, 76.2339



58.6548, 80.2953, 107.0149



63.6294, 80.2953, 138.3727

Triad

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



58.6548, 80.2953, 107.0149



92.4879, 80.2953, 131.9392



80.4801, 80.2953, 42.0121

Complementary

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



58.6548, 80.2953, 107.0149



48.5895, 32.1211, 16.2116

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.



90.5909, 80.2953, 50.8300



58.6548, 80.2953, 107.0149



97.9379, 80.2953, 99.6674

Square

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



58.6548, 80.2953, 107.0149



82.8818, 80.2953, 154.8916



97.2134, 80.2953, 70.3898



70.1108, 80.2953, 43.1021

Rectangle

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



58.6548, 80.2953, 107.0149



69.0865, 80.2953, 153.2352



97.2134, 80.2953, 70.3898



84.0379, 80.2953, 43.8145

Sweetspot

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



58.6569, 80.2982, 107.0153



79.9420, 91.9284, 108.1383



43.6392, 75.3048, 24.8078



16.6650, 19.4368, 23.1233



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.



58.6569, 80.2982, 107.0153



55.6785, 78.5758, 106.8398



39.5514, 42.0871, 100.6468



18.5334, 20.4384, 23.2181



27.5764, 40.0623, 55.7140



2.6913, 3.9133, 5.4268

Inverse Universe

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



63.7224, 37.8565, 96.8802



61.1854, 32.8842, 95.7209



59.6596, 54.2613, 19.9017



18.7819, 18.2961, 22.7344



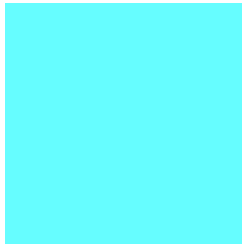
30.7075, 14.7723, 49.2374



2.9930, 1.4396, 4.8108

Previews

White Background



This preview shows how the XYZ color 58.6548, 80.2953, 107.0149 looks on a white background.

Color Contrast Check

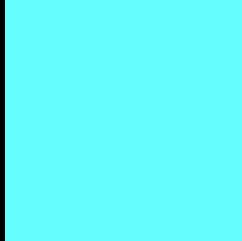
Large Text (above 18pt) WCAG AA × Fail

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 58.6548, 80.2953, 107.0149 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 58.6548, 80.2953, 107.0149

Background



This preview shows how black text looks on a background with the XYZ color 58.6548, 80.2953, 107.0149.

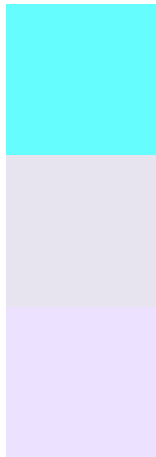


This preview shows how white text looks on a background with the XYZ color 58.6548, 80.2953,

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

58.6548, 80.2953, 107.0149

Protanopia

76.4266, 78.7670, 93.6135

Deuteranopia

79.5673, 78.9033, 105.6440



Tritanopia

66.5967, 79.3822, 106.4200

Trichromacy



Original Color

58.6548, 80.2953, 107.0149



Protanomaly

66.5328, 77.3513, 97.8098



Deuteranomaly

68.2518, 77.2015, 105.9119



Tritanomaly

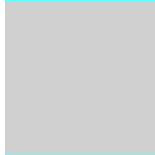
62.8598, 79.2425, 106.5900

Monochromacy



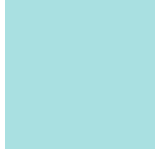
Original Color

58.6548, 80.2953, 107.0149



Achromatopsia

59.9535, 63.0757, 68.6895



Achromatomaly

56.6084, 67.1826, 81.2181

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.6548, 80.2953, 107.0149 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(102, 253, 255)` looks like.

```
.text, #text, p{  
    color:rgb(102, 253, 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(102, 253, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 253, 255) }
```

Border

The CSS property to change the border of an element to XYZ 58.6548, 80.2953, 107.0149 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(102, 253, 255) }
```


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

```
.border{ border-color:rgb(102, 253, 255) }
```

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

Here you see how a box with a 4 pixel rgb(102, 253, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 253, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 253, 255);  
box-shadow:4px 4px 4px 4px rgb(102, 253,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 58.6548, 80.2953, 107.0149 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 253, 255) }
```

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

```
.background{ background-color: rgb(102,  
253, 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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