

Converting Colors

XYZ(59.0984, 81.1826,
107.1627)

Have a look what the booklet for
XYZ(59.0984, 81.1826, 107.1627)
contains.

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Color

**XYZ(58.9713, 80.9284,
107.1204)**

Conversions

Conversions Part 1

Format	Color
Hex	66FEFF
RGB	102, 254, 255
RGB Percent	40%, 100%, 100%
CMY	0.6000, 0.0039, 0.0000
CMYK	0.60, 0.00, 0.00, 0.00
HSL	180°, 100%, 70%
HSV	180°, 60%, 100%
XYZ	58.9713, 80.9284, 107.1204
YIQ	208.6660, -90.9130, -31.9130

Conversions

Conversions Part 2

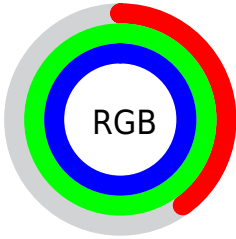
Format	Color
RYB	102, 178, 255
Decimal	6749951
CIELab	92.10, -39.49, -12.54
CIElCh	92, 41.437, 197.610
Yxy	80.9284, 0.2387, 0.3276
Android (android.graphics.Color)	4284940031 (0xFF66FEFF)
YUV	208.6660, 22.8427, -93.5461
Hunter-Lab	89.9602, -40.4189, -7.6276

Details

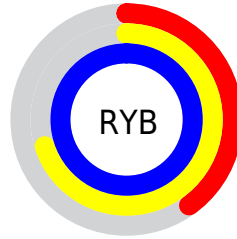
The XYZ color **58.9713, 80.9284, 107.1204** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **48.4893, 31.9208, 16.1781**, and the grayscale version is **60.2876, 63.4272, 69.0723**.

A 20% lighter version of the original color is **69.7463, 86.9555, 107.7158**, and **30.1593, 44.0097, 60.3312** is the 20% darker color. If you saturate the color by 10%, you get **56.4614, 79.5582, 106.9882**, and if you desaturate by 10%, it is **62.3740, 82.7627, 107.2951**.

Distribution



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



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



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




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

Brightness & Saturation Gradients


These gradients show how the XYZ color 58.9713, 80.9284, 107.1204 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 58.9713, 80.9284, 107.1204 by changing the saturation by 10% instead.

 58.9713, 80.9284,
107.1204


 58.9713, 80.9284,
107.1204


410.6913,
498.0561, 604.2286


 42.8363, 60.4826,
81.6103


 102.4508,
134.6702, 173.0453

 29.9507, 43.8078,
60.5105


 130.5260,
168.7351, 214.2971

 19.9490, 30.5194,
43.4022


 163.3120,
208.1084, 261.6333

 12.4660, 20.2332,
29.8671

201.1742,
253.1746, 315.4725

 7.1364, 12.5647,
19.4865

244.4778,
304.3181, 376.2330

 3.5946, 7.1295,
11.8420

293.5883,

 1.4755, 3.5432,

361.9232, 444.3335

6.5150

348.8710,
426.3745, 520.1925

■ 0.3090, 1.4215,
3.0868

■ 0.0000, 0.2325,
1.1392

■ 58.9713, 80.9284,
107.1204

■ 58.9713, 80.9284,
107.1204

■ 56.4614, 79.5582,
106.9882

■ 62.3740, 82.7627,
107.2951

■ 54.7534, 78.5996,
106.8932


■ 66.7369, 85.0901,
107.5144


■ 53.7487, 78.0036,
106.8311

■ 72.1282, 87.9478,
107.7818

■ 53.2828, 77.6854,
106.7942

■ 78.6082, 91.3669,
108.1002

 53.2826, 77.6853,
106.7942

 86.2325, 95.3759,
108.4722

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.



58.5671, 80.9284, 76.0986



58.9713, 80.9284, 107.1204



63.8978, 80.9284, 139.0422

Triad

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



58.9713, 80.9284, 107.1204



93.0938, 80.9284, 133.9755



81.4078, 80.9284, 42.2768

Complementary

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



58.9713, 80.9284, 107.1204



48.4893, 31.9208, 16.1781

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.



91.6012, 80.9284, 51.4475



58.9713, 80.9284, 107.1204



98.7549, 80.9284, 101.3391

Square

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



58.9713, 80.9284, 107.1204



83.2969, 80.9284, 156.8441



98.1846, 80.9284, 71.5060



70.8771, 80.9284, 43.1315

Rectangle

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



58.9713, 80.9284, 107.1204



69.3649, 80.9284, 154.3945



98.1846, 80.9284, 71.5060



85.0047, 80.9284, 44.1813

Sweetspot

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



58.9735, 80.9314, 107.1208



80.0375, 92.1194, 108.1701



43.6391, 75.3047, 24.8077



16.6888, 19.4843, 23.1312



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.



58.9735, 80.9314, 107.1208



56.0578, 79.3345, 106.9663



39.5513, 42.0870, 100.6468



18.5442, 20.4600, 23.2217



27.8460, 40.6016, 55.8038



2.7144, 3.9596, 5.4345

Inverse Universe

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



63.8822, 37.9203, 97.7216



61.3769, 32.9608, 96.7291



59.6595, 54.2612, 19.9015



18.7873, 18.2982, 22.7632



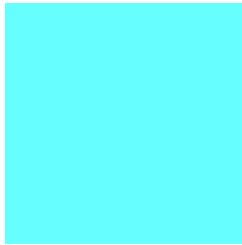
30.8436, 14.8267, 49.9542



3.0047, 1.4443, 4.8723

Previews

White Background



This preview shows how the XYZ color 58.9713, 80.9284, 107.1204 looks on a white background.

Color Contrast Check

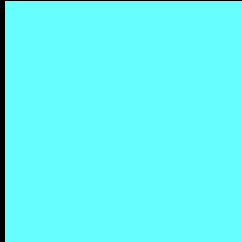
Large Text (above 18pt) WCAG AA × Fail

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 58.9713, 80.9284, 107.1204 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 58.9713, 80.9284, 107.1204

Background



This preview shows how black text looks on a background with the XYZ color 58.9713, 80.9284, 107.1204.

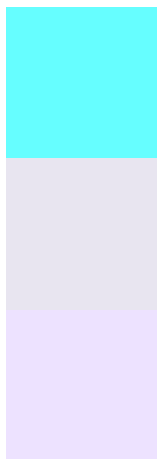


This preview shows how white text looks on a background with the XYZ color 58.9713, 80.9284,

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

58.9713, 80.9284, 107.1204

Protanopia

77.0262, 79.4857, 93.7206

Deuteranopia

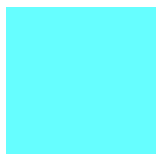
80.1714, 79.6172, 105.7499



Tritanopia

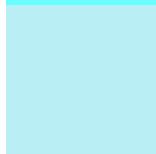
67.5562, 80.3199, 106.5504

Trichromacy



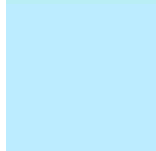
Original Color

58.9713, 80.9284, 107.1204



Protanomaly

67.0635, 78.0559, 97.9179



Deuteranomaly

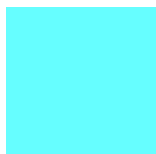
68.7845, 77.9023, 106.0191



Tritanomaly

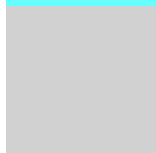
63.5235, 80.0374, 106.7085

Monochromacy



Original Color

58.9713, 80.9284, 107.1204



Achromatopsia

60.6036, 63.7597, 69.4343



Achromatomaly

57.2302, 67.8875, 82.0387

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.9713, 80.9284, 107.1204 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, 254, 255)` looks like.

```
.text, #text, p{  
    color:rgb(102, 254, 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, 254, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 254, 255) }
```

Border

The CSS property to change the border of an element to XYZ 58.9713, 80.9284, 107.1204 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, 254, 255) }
```


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

```
.border{ border-color:rgb(102, 254, 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, 254, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 254, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 254, 255);  
box-shadow:4px 4px 4px 4px rgb(102, 254,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 58.9713, 80.9284, 107.1204 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 254, 255) }
```

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

```
.background{ background-color: rgb(102,  
254, 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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