

Converting Colors

XYZ(58.9966, 80.7044,
105.7679)

Have a look what the booklet for
XYZ(58.9966, 80.7044, 105.7679)
contains.

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Color

**XYZ(58.7988, 80.4066,
105.3495)**

Conversions

Conversions Part 1

Format	Color
Hex	6AFDFD
RGB	106, 253, 253
RGB Percent	42%, 99%, 99%
CMY	0.5843, 0.0078, 0.0078
CMYK	0.58, 0.00, 0.00, 0.01
HSL	180°, 97%, 70%
HSV	180°, 58%, 99%
XYZ	58.7988, 80.4066, 105.3495
YIQ	209.0470, -87.6120, -31.1640

Conversions

Conversions Part 2

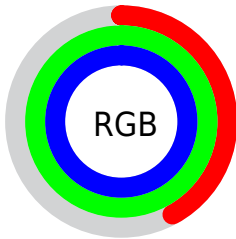
Format	Color
RYB	106, 180, 253
Decimal	7011837
CIELab	91.87, -38.91, -11.84
CIELCh	92, 40.668, 196.919
Yxy	80.4066, 0.2404, 0.3288
Android (android.graphics.Color)	4285201917 (0xFF6AFDFD)
YUV	209.0470, 21.6688, -90.3722
Hunter-Lab	89.6697, -39.8749, -6.8887

Details

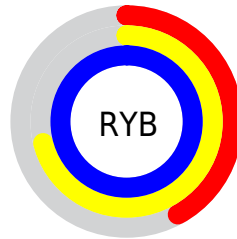
The XYZ color **58.7988, 80.4066, 105.3495** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **48.2663, 32.2339, 17.3163**, and the grayscale version is **60.5416, 63.6944, 69.3632**.

A 20% lighter version of the original color is **70.3876, 87.2860, 107.7458**, and **29.8417, 43.5365, 59.0551** is the 20% darker color. If you saturate the color by 10%, you get **56.2247, 79.0814, 105.2305**, and if you desaturate by 10%, it is **62.2644, 82.1950, 105.5138**.

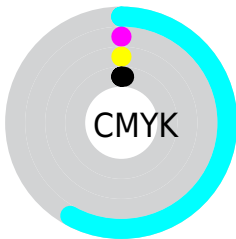
Distribution



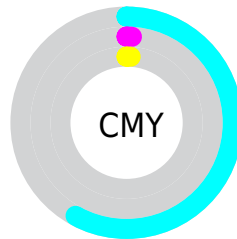
- Red (42%)
- Green (99%)
- Blue (99%)



- Red (42%)
- Yellow (71%)
- Blue (99%)



- Cyan (58%)
- Magenta (0%)
- Yellow (0%)
- Black (1%)




- Cyan (58%)
- Magenta (1%)
- Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 58.7988, 80.4066, 105.3495 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 58.7988, 80.4066, 105.3495 by changing the saturation by 10% instead.


 58.7988, 80.4066,
105.3495


 58.7988, 80.4066,
105.3495


410.0619,
496.3020, 598.6034


 42.6969, 60.0530,
80.1339


 102.2015,
133.9372, 170.6052

 29.8409, 43.4614,
59.3017


 130.2330,
167.8831, 211.4823

 19.8653, 30.2473,
42.4344


 162.9718,
207.1284, 258.4170

 12.4049, 20.0263,
29.1135

200.7832,
252.0577, 311.8279

 7.0942, 12.4142,
18.9204

244.0325,
303.0553, 372.1334

 3.5679, 7.0264,
11.4365

293.0852,

 1.4607, 3.4786,

360.5057, 439.7521

6.2434

348.3065,
424.7931, 515.1026

■ 0.2989, 1.3864,
2.9225

■ 0.0000, 0.2067,
1.0552

■ 58.7988, 80.4066,
105.3495

■ 58.7988, 80.4066,
105.3495

■ 56.2247, 79.0814,
105.2305

■ 62.2644, 82.1950,
105.5138

■ 54.4542, 78.1687,
105.1473

■ 66.6849, 84.4739,
105.7210

■ 53.3948, 77.6226,
105.0974

■ 72.1265, 87.2791,
105.9760

■ 52.9163, 77.3759,
105.0747

■ 78.6473, 90.6407,
106.2815

■ 52.8562, 77.3449,
105.0718

■ 86.3012, 94.5864,
106.6400

■ 94.0968, 98.6052,
107.0051

■ 94.0969, 98.6052,
107.0055

■ 94.0969, 98.6052,
107.0058

■ 94.0970, 98.6052,
107.0061

Harmonies

Analogous

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



58.5074, 80.4066, 75.1831



58.7988, 80.4066, 105.3495



63.5286, 80.4066, 136.5541

Triad

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



58.7988, 80.4066, 105.3495



92.0270, 80.4066, 132.9286



81.0533, 80.4066, 42.6759

Complementary

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



58.7988, 80.4066, 105.3495



48.2663, 32.2339, 17.3163

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.



90.9562, 80.4066, 51.9437



58.7988, 80.4066, 105.3495



97.6692, 80.4066, 101.2018

Square

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



58.7988, 80.4066, 105.3495



82.4100, 80.4066, 154.7933



97.2604, 80.4066, 71.8760



70.7353, 80.4066, 43.2955

Rectangle

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



58.7988, 80.4066, 105.3495



68.8288, 80.4066, 151.7263



97.2604, 80.4066, 71.8760



84.5585, 80.4066, 44.6294

Sweetspot

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



58.8012, 80.4097, 105.3514



80.8605, 92.6850, 108.2354



43.9686, 74.5108, 25.7024



16.9970, 19.6784, 23.1523



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.



58.8012, 80.4097, 105.3514



56.8299, 80.2969, 107.1090



40.3939, 43.5946, 99.2174



18.5549, 20.4815, 23.2253



28.1166, 41.1432, 55.8924



2.7376, 4.0060, 5.4421

Inverse Universe

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



48.2663, 32.2339, 17.3163



45.1811, 27.0269, 9.7649



58.8446, 53.3906, 20.8418



18.0095, 17.9871, 18.6670



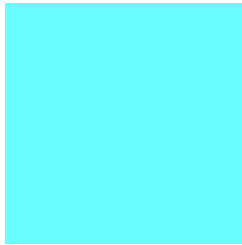
21.5488, 11.1088, 1.0086



2.0981, 1.0816, 0.0982

Previews

White Background



This preview shows how the XYZ color 58.7988, 80.4066, 105.3495 looks on a white background.

Color Contrast Check

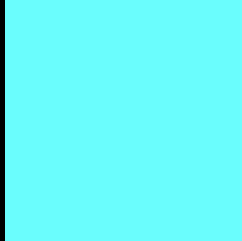
Large Text (above 18pt) WCAG AA × Fail

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 58.7988, 80.4066, 105.3495 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

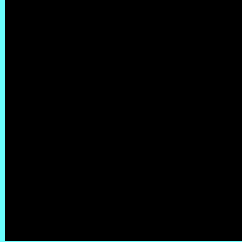
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 58.7988, 80.4066, 105.3495

Background



This preview shows how black text looks on a background with the XYZ color 58.7988, 80.4066, 105.3495.

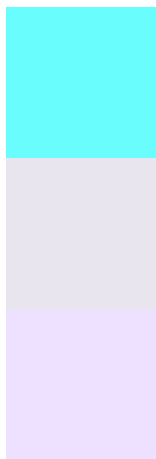


This preview shows how white text looks on a background with the XYZ color 58.7988, 80.4066,

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

58.7988, 80.4066, 105.3495

Protanopia

76.7306, 79.3675, 92.1642

Deuteranopia

79.9003, 79.0750, 105.6595



Tritanopia

67.0357, 79.6085, 106.4406

Trichromacy



Original Color

58.7988, 80.4066, 105.3495



Protanomaly

67.0019, 78.0592, 96.3296



Deuteranomaly

68.5840, 77.3912, 105.0892



Tritanomaly

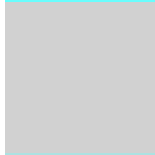
63.2396, 79.4569, 105.7696

Monochromacy



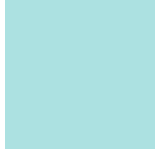
Original Color

58.7988, 80.4066, 105.3495



Achromatopsia

60.6036, 63.7597, 69.4343



Achromatomaly

57.5291, 68.0573, 81.3384

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.7988, 80.4066, 105.3495 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(106, 253, 253)` looks like.

```
.text, #text, p{  
    color:rgb(106, 253, 253)  
}
```

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(106, 253, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 253, 253) }
```

Border

The CSS property to change the border of an element to XYZ 58.7988, 80.4066, 105.3495 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(106, 253, 253) }
```


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

```
.border{ border-color:rgb(106, 253, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 253, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 253, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 253, 253);  
box-shadow:4px 4px 4px 4px rgb(106, 253,  
253) }
```

Background

The CSS property to change the background color of an element to XYZ 58.7988, 80.4066, 105.3495 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 253, 253) }
```

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

```
.background{ background-color: rgb(106,  
253, 253) }
```

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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