

Converting Colors

XYZ(58.4305, 80.0494,
104.9895)

Have a look what the booklet for
XYZ(58.4305, 80.0494, 104.9895)
contains.

XYZ(58.5638, 80.2855, 105.3385)	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(58.5638, 80.2855,
105.3385)**

Conversions

Conversions Part 1

Format	Color
Hex	68DFDF
RGB	104, 253, 253
RGB Percent	41%, 99%, 99%
CMY	0.5921, 0.0078, 0.0078
CMYK	0.59, 0.00, 0.00, 0.01
HSL	180°, 97%, 70%
HSV	180°, 59%, 99%
XYZ	58.5638, 80.2855, 105.3385
YIQ	208.4490, -88.8040, -31.5880

Conversions

Conversions Part 2

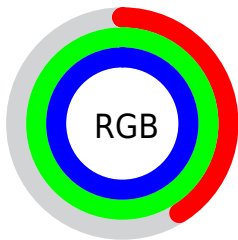
Format	Color
RYB	104, 179, 253
Decimal	6880765
CIELab	91.81, -39.24, -11.92
CIELCh	92, 41.013, 196.899
Yxy	80.2855, 0.2398, 0.3288
Android (android.graphics.Color)	4285070845 (0xFF68FDFD)
YUV	208.4490, 21.9636, -91.6018
Hunter-Lab	89.6022, -40.1366, -6.9812

Details

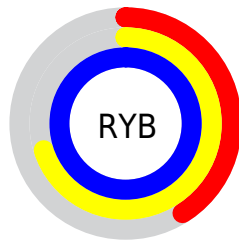
The XYZ color **58.5638, 80.2855, 105.3385** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **47.9597, 31.7852, 16.7067**, and the grayscale version is **60.1512, 63.2837, 68.9159**.

A 20% lighter version of the original color is **69.9584, 87.0648, 107.7257**, and **29.7037, 43.4654, 59.0487** is the 20% darker color. If you saturate the color by 10%, you get **56.0565, 78.9948, 105.2226**, and if you desaturate by 10%, it is **61.9566, 82.0364, 105.4994**.

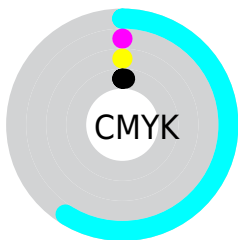
Distribution



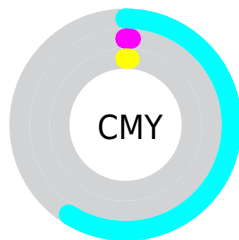
- Red (41%)
- Green (99%)
- Blue (99%)



- Red (41%)
- Yellow (70%)
- Blue (99%)



- Cyan (59%)
- Magenta (0%)
- Yellow (0%)
- Black (1%)



- Cyan (59%)
- Magenta (1%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 58.5638, 80.2855, 105.3385 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 58.5638, 80.2855, 105.3385 by changing the saturation by 10% instead.

58.5638, 80.2855,
105.3385

58.5638, 80.2855,
105.3385

409.2036,
495.8945, 598.5684

42.5071, 59.9533,
80.1247

101.8617,
133.7671, 170.5900

29.6914, 43.3810,
59.2942

129.8336,
167.6852, 211.4648

19.7514, 30.1842,
42.4284

162.5079,
206.9008, 258.3970

12.3217, 19.9784,
29.1089

200.2500,
251.7983, 311.8052

7.0369, 12.3794,
18.9169

243.4253,
302.7620, 372.1079

3.5317, 7.0026,
11.4340

292.3991,

1.4408, 3.4637,

360.1763, 439.7236

6.2417

347.5367,
424.4257, 515.0709

■ 0.2850, 1.3784,
2.9215

■ 0.0000, 0.2007,
1.0547

■ 58.5638, 80.2855,
105.3385

■ 58.5638, 80.2855,
105.3385

■ 56.0565, 78.9948,
105.2226

■ 61.9566, 82.0364,
105.4994

■ 54.3460, 78.1130,
105.1422

■ 66.2990, 84.2750,
105.7030

■ 53.3381, 77.5934,
105.0947

■ 71.6577, 87.0375,
105.9541

■ 52.8913, 77.3631,
105.0735

■ 78.0912, 90.3540,
106.2555

■ 52.8562, 77.3450,
105.0718

■ 85.6536, 94.2526,
106.6097

■ 94.0968, 98.6052,
107.0052

■ 94.0969, 98.6052,
107.0055

■ 94.0970, 98.6053,
107.0059

■ 94.0970, 98.6053,
107.0062

Harmonies

Analogous

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



58.2738, 80.2855, 74.9462



58.5638, 80.2855, 105.3385



63.3195, 80.2855, 136.8372

Triad

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



58.5638, 80.2855, 105.3385



92.0319, 80.2855, 133.2148



80.9810, 80.2855, 42.3038

Complementary

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



58.5638, 80.2855, 105.3385



47.9597, 31.7852, 16.7067

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.



90.9635, 80.2855, 51.6096



58.5638, 80.2855, 105.3385



97.7271, 80.2855, 101.2003

Square

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



58.5638, 80.2855, 105.3385



82.3338, 80.2855, 155.2923



97.3190, 80.2855, 71.6534



70.5855, 80.2855, 42.9184

Rectangle

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



58.5638, 80.2855, 105.3385



68.6530, 80.2855, 152.1723



97.3190, 80.2855, 71.6534



84.5139, 80.2855, 44.2650

Sweetspot

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



58.5662, 80.2886, 105.3404



80.1327, 92.3099, 108.2013



43.6279, 74.3470, 25.1496



16.7124, 19.5317, 23.1389



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.



58.5662, 80.2886, 105.3404



56.6297, 80.1937, 107.0996



39.9617, 43.0788, 99.1407



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.



47.9597, 31.7852, 16.7067



44.9199, 26.6447, 9.2456



58.5383, 52.9425, 20.2323



18.0095, 17.9871, 18.6670



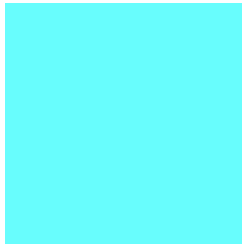
21.5488, 11.1088, 1.0086



2.0981, 1.0816, 0.0982

Previews

White Background



This preview shows how the XYZ color 58.5638, 80.2855, 105.3385 looks on a white background.

Color Contrast Check

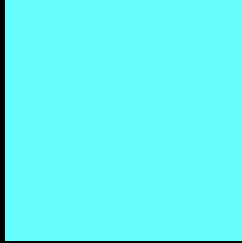
Large Text (above 18pt) WCAG AA × Fail

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 58.5638, 80.2855, 105.3385 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 58.5638, 80.2855, 105.3385

Background



This preview shows how black text looks on a background with the XYZ color 58.5638, 80.2855, 105.3385.

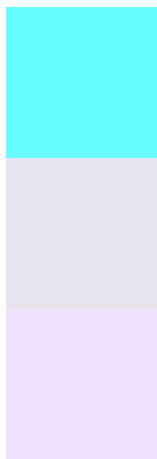


This preview shows how white text looks on a background with the XYZ color 58.5638, 80.2855,

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

58.5638, 80.2855, 105.3385

Protanopia

76.1310, 78.6488, 92.0571

Deuteranopia

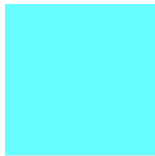
79.9003, 79.0750, 105.6595



Tritanopia

66.8154, 79.4949, 106.4303

Trichromacy



Original Color

58.5638, 80.2855, 105.3385



Protanomaly

66.4694, 77.3537, 96.2215



Deuteranomaly

68.5840, 77.3912, 105.0892



Tritanomaly

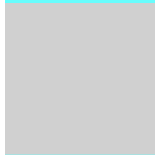
62.8778, 79.2703, 105.7526

Monochromacy



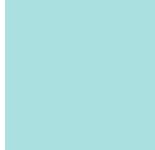
Original Color

58.5638, 80.2855, 105.3385



Achromatopsia

59.9535, 63.0757, 68.6895



Achromatomaly

56.6878, 67.2392, 80.5117

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.5638, 80.2855, 105.3385 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(104, 253, 253)` looks like.

```
.text, #text, p{  
    color:rgb(104, 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(104, 253, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 253, 253) }
```

Border

The CSS property to change the border of an element to XYZ 58.5638, 80.2855, 105.3385 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(104, 253, 253) }
```


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

```
.border{ border-color:rgb(104, 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(104, 253, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 253, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 253, 253);  
box-shadow:4px 4px 4px 4px rgb(104, 253,  
253) }
```

Background

The CSS property to change the background color of an element to XYZ 58.5638, 80.2855, 105.3385 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 253, 253) }
```

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

```
.background{ background-color: rgb(104,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor