

Converting Colors

XYZ(58.3637, 79.9624,
106.9659)

Have a look what the booklet for
XYZ(58.3637, 79.9624, 106.9659)
contains.

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Color

**XYZ(58.5421, 80.2373,
107.0096)**

Conversions

Conversions Part 1

Format	Color
Hex	65FDFF
RGB	101, 253, 255
RGB Percent	40%, 99%, 100%
CMY	0.6039, 0.0078, 0.0000
CMYK	0.60, 0.01, 0.00, 0.00
HSL	181°, 100%, 70%
HSV	181°, 60%, 100%
XYZ	58.5421, 80.2373, 107.0096
YIQ	207.7800, -91.2340, -31.6020

Conversions

Conversions Part 2

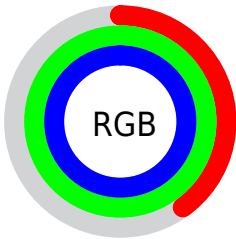
Format	Color
RYB	101, 177, 255
Decimal	6684159
CIELab	91.79, -39.20, -13.00
CIElCh	92, 41.301, 198.346
Yxy	80.2373, 0.2382, 0.3264
Android (android.graphics.Color)	4284874239 (0xFF65FDFF)
YUV	207.7800, 23.2795, -93.6461
Hunter-Lab	89.5753, -40.0977, -8.1271

Details

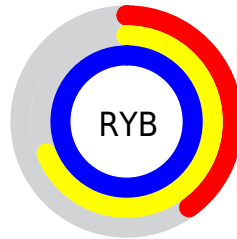
The XYZ color **58.5421, 80.2373, 107.0096** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **48.4400, 31.9010, 15.9184**, and the grayscale version is **59.7105, 62.8201, 68.4111**.

A 20% lighter version of the original color is **69.5359, 86.8470, 107.7060**, and **29.9330, 43.5571, 60.2558** is the 20% darker color. If you saturate the color by 10%, you get **56.0138, 78.7810, 106.8618**, and if you desaturate by 10%, it is **61.9602, 82.1563, 107.1998**.

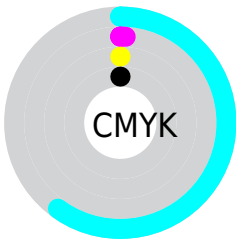
Distribution



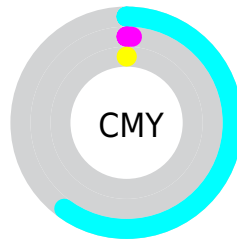
- Red (40%)
- Green (99%)
- Blue (100%)



- Red (40%)
- Yellow (69%)
- 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 58.5421, 80.2373, 107.0096 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 58.5421, 80.2373, 107.0096 by changing the saturation by 10% instead.


 58.5421, 80.2373,
107.0096


 58.5421, 80.2373,
107.0096


409.1243,
495.7322, 603.8774


 42.4896, 59.9136,
81.5179


 101.8303,
133.6993, 172.8927

 29.6776, 43.3490,
60.4347


 129.7967,
167.6065, 214.1212

 19.7409, 30.1591,
43.3416

 162.4651,
206.8102, 261.4324

 12.3140, 19.9594,
29.8198

200.2008,
251.6950, 315.2448

 7.0316, 12.3655,
19.4510

243.3692,
302.6452, 375.9770

 3.5284, 6.9931,
11.8165

292.3357,

 1.4390, 3.4578,

360.0452, 444.0474

6.4978

347.4656,
424.2794, 519.8747

■ 0.2837, 1.3751,
3.0764

■ 0.0000, 0.1983,
1.1338

■ 58.5421, 80.2373,
107.0096

■ 58.5421, 80.2373,
107.0096

■ 56.0138, 78.7810,
106.8618

■ 61.9602, 82.1563,
107.1998

■ 54.2840, 77.7347,
106.7510


■ 66.3360, 84.5674,
107.4346

■ 53.2532, 77.0491,
106.6730

■ 71.7378, 87.5077,
107.7174

■ 52.7646, 76.6492,
106.6215

■ 78.2261, 91.0084,
108.0512

 85.8568, 95.0983,
108.4384

94.6818, 99.8041,
108.8816

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.



58.0285, 80.2373, 76.1190



58.5421, 80.2373, 107.0096



63.5289, 80.2373, 138.5099

Triad

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



58.5421, 80.2373, 107.0096



92.4904, 80.2373, 132.0763



80.4457, 80.2373, 41.8351

Complementary

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



58.5421, 80.2373, 107.0096



48.4400, 31.9010, 15.9184

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.



90.5946, 80.2373, 50.6718



58.5421, 80.2373, 107.0096



97.9659, 80.2373, 99.6670

Square

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



58.5421, 80.2373, 107.0096



82.8451, 80.2373, 155.1316



97.2417, 80.2373, 70.2846



70.0394, 80.2373, 42.9213

Rectangle

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



58.5421, 80.2373, 107.0096



69.0019, 80.2373, 153.4510



97.2417, 80.2373, 70.2846



84.0168, 80.2373, 43.6415

Sweetspot

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



58.5442, 80.2402, 107.0101



79.9433, 91.9309, 108.1387



43.4770, 75.2269, 24.5427



16.6653, 19.4375, 23.1234



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.



58.5442, 80.2402, 107.0101



55.6835, 78.5858, 106.8415



39.3389, 41.8295, 100.6083



18.5335, 20.4386, 23.2182



27.5799, 40.0694, 55.7151



2.6916, 3.9139, 5.4269

Inverse Universe

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



63.6247, 37.6610, 96.8477



61.1879, 32.8852, 95.7341



59.5105, 54.0421, 19.6085



18.7819, 18.2961, 22.7348



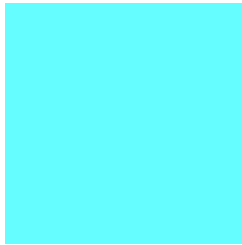
30.7093, 14.7730, 49.2468



2.9932, 1.4397, 4.8116

Previews

White Background



This preview shows how the XYZ color 58.5421, 80.2373, 107.0096 looks on a white background.

Color Contrast Check

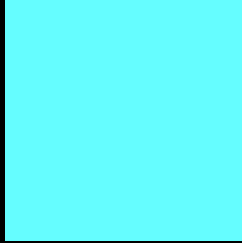
Large Text (above 18pt) WCAG AA × Fail

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 58.5421, 80.2373, 107.0096 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 58.5421, 80.2373, 107.0096

Background



This preview shows how black text looks on a background with the XYZ color 58.5421, 80.2373, 107.0096.

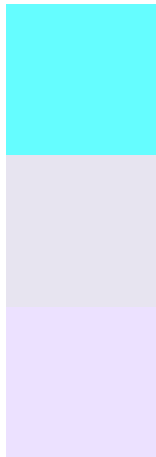


This preview shows how white text looks on a background with the XYZ color 58.5421, 80.2373,

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

58.5421, 80.2373, 107.0096

Protanopia

76.4266, 78.7670, 93.6135

Deuteranopia

79.5673, 78.9033, 105.6440



Tritanopia

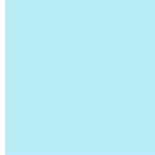
66.5967, 79.3822, 106.4200

Trichromacy



Original Color

58.5421, 80.2373, 107.0096



Protanomaly

66.5328, 77.3513, 97.8098



Deuteranomaly

68.2518, 77.2015, 105.9119



Tritanomaly

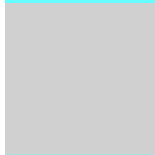
62.8598, 79.2425, 106.5900

Monochromacy



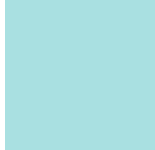
Original Color

58.5421, 80.2373, 107.0096



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 58.5421, 80.2373, 107.0096 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(101, 253, 255)` looks like.

```
.text, #text, p{  
    color:rgb(101, 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(101, 253, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 253, 255) }
```

Border

The CSS property to change the border of an element to XYZ 58.5421, 80.2373, 107.0096 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(101, 253, 255) }
```


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

```
.border{ border-color:rgb(101, 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(101, 253, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 253, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 253, 255);  
box-shadow:4px 4px 4px 4px rgb(101, 253,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 58.5421, 80.2373, 107.0096 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 253, 255) }
```

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

```
.background{ background-color: rgb(101,  
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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