

Converting Colors

XYZ(60.1130, 84.1841, 94.8234)

Have a look what the booklet for
XYZ(60.1130, 84.1841, 94.8234)
contains.

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Color

**XYZ(58.8112, 81.6035,
94.3127)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 76FFEF |
| RGB | 118, 255, 239 |
| RGB Percent | 46%, 100%, 94% |
| CMY | 0.5372, 0.0000, 0.0627 |
| CMYK | 0.54, 0.00, 0.06, 0.00 |
| HSL | 173°, 100%, 73% |
| HSV | 173°, 54%, 100% |
| XYZ | 58.8112, 81.6035, 94.3127 |
| YIQ | 212.2130, -76.5160, -34.0200 |

Conversions

Conversions Part 2

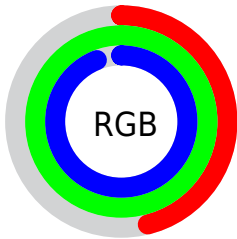
| Format | Color |
|-------------------------------------|--------------------------------|
| RYB | 118, 191, 255 |
| Decimal | 7798767 |
| CIELab | 92.40, -41.17, -3.75 |
| CIELCh | 92, 41.344, 185.208 |
| Yxy | 81.6035, 0.2506, 0.3477 |
| Android (android.graphics.Color) | 4285988847 (0xFF76FFEF) |
| YUV | 212.2130, 13.2060, -82.6248 |
| Hunter-Lab | 90.3347, -41.8755, 1.3333 |

Details

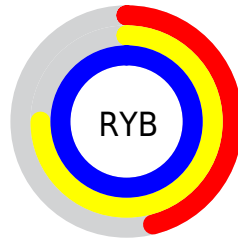
The XYZ color **58.8112, 81.6035, 94.3127** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **52.0225, 35.9396, 26.7509**, and the grayscale version is **62.6729, 65.9368, 71.8051**.

A 20% lighter version of the original color is **72.4004, 88.3237, 107.8400**, and **29.9136, 44.4114, 51.7954** is the 20% darker color. If you saturate the color by 10%, you get **55.3681, 79.8790, 91.8751**, and if you desaturate by 10%, it is **63.1994, 83.8145, 96.8353**.

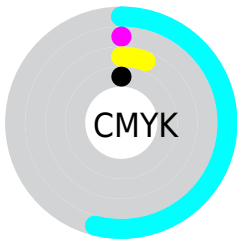
Distribution



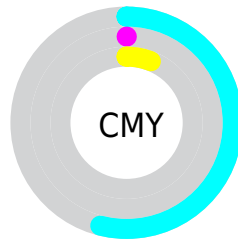
- Red (46%)
- Green (100%)
- Blue (94%)



- Red (46%)
- Yellow (75%)
- Blue (100%)



- Cyan (54%)
- Magenta (0%)
- Yellow (6%)
- Black (0%)





- Cyan (54%)
- Magenta (0%)
- Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 58.8112, 81.6035, 94.3127 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 58.8112, 81.6035, 94.3127 by changing the saturation by 10% instead.


 58.8112, 81.6035,
94.3127


 58.8112, 81.6035,
94.3127

410.1072,
500.3204, 562.8903


 42.7069, 61.0388,
70.9693


 102.2194,
135.6178, 155.3021

 29.8488, 44.2565,
51.8355


 130.2541,
169.8362, 193.7853

 19.8713, 30.8722,
36.4926


 162.9962,
209.3746, 238.1521

 12.4093, 20.5015,
24.5222

200.8113,
254.6174, 288.8212

 7.0972, 12.7601,
15.5057

244.0645,
305.9490, 346.2110

 3.5698, 7.2636,
9.0245

293.1214,

 1.4618, 3.6275,

363.7538, 410.7401

4.6601

348.3471,
428.4161, 482.8270

■ 0.2996, 1.4674,
1.9940

■ 0.0000, 0.2656,
0.5516

■ 58.8112, 81.6035,
94.3127

■ 58.8112, 81.6035,
94.3127

■ 55.3681, 79.8790,
91.8751

■ 63.1994, 83.8145,
96.8353

■ 52.7897, 78.5993,
89.5141

■ 68.5984, 86.5456,
99.4417

■ 50.9873, 77.7189,
87.2270

■ 75.0715, 89.8297,
102.1366

■ 49.8514, 77.1812,
85.0084

■ 82.6759, 93.6961,
104.9229

■ 49.3808, 76.9683,
83.6461

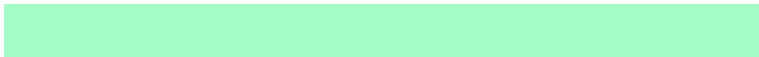
■ 91.4649, 98.1724,
107.8031

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.



60.3314, 81.6035, 66.3489



58.8112, 81.6035, 94.3127



61.9258, 81.6035, 127.3690

Triad

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



58.8112, 81.6035, 94.3127



90.0481, 81.6035, 146.2644



86.5197, 81.6035, 45.3518

Complementary

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



58.8112, 81.6035, 94.3127



52.0225, 35.9396, 26.7509

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.



95.6300, 81.6035, 59.0075



58.8112, 81.6035, 94.3127



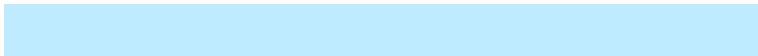
97.7950, 81.6035, 115.9431

Square

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



58.8112, 81.6035, 94.3127



79.4456, 81.6035, 161.4616



99.9258, 81.6035, 83.6069



75.7078, 81.6035, 42.1164

Rectangle

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



58.8112, 81.6035, 94.3127



66.3966, 81.6035, 146.6066



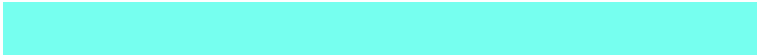
99.9258, 81.6035, 83.6069



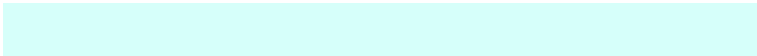
89.9131, 81.6035, 48.6923

Sweetspot

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



58.8123, 81.6041, 94.3142



80.8422, 92.7632, 104.2803



49.2279, 78.0852, 29.6187



16.9599, 19.6803, 22.1968



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

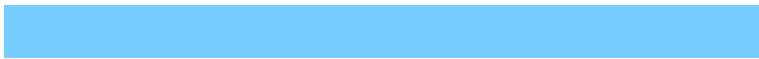
The Same Dimension uses a secret algorithm to generate beautiful new colors.



58.8123, 81.6041, 94.3142



55.2855, 79.8378, 91.8087



47.2981, 54.6241, 102.6584



18.4581, 20.4428, 22.7154



25.8389, 40.2322, 43.8984



2.5406, 3.9272, 4.4048

Inverse Universe

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



52.0225, 35.9396, 26.7509



47.9113, 30.0243, 18.2682



58.5568, 50.6610, 23.8336



18.0956, 18.0216, 19.1207



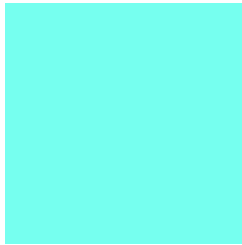
21.6969, 11.1680, 1.7882



2.1389, 1.0979, 0.3130

Previews

White Background



This preview shows how the XYZ color 58.8112, 81.6035, 94.3127 looks on a white background.

Color Contrast Check

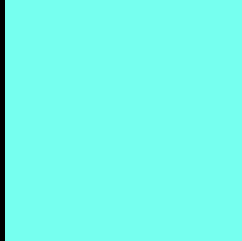
Large Text (above 18pt) WCAG AA × Fail

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 58.8112, 81.6035, 94.3127 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

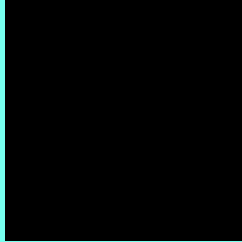
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 58.8112, 81.6035, 94.3127

Background



This preview shows how black text looks on a background with the XYZ color 58.8112, 81.6035, 94.3127.

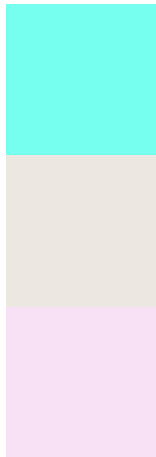


This preview shows how white text looks on a background with the XYZ color 58.8112, 81.6035,

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

58.8112, 81.6035, 94.3127

Protanopia

77.0916, 80.5926, 82.7269

Deuteranopia

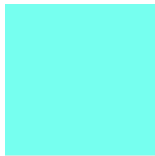
82.1180, 80.3995, 97.5768



Tritanopia

69.1566, 81.1449, 106.6253

Trichromacy



Original Color

58.8112, 81.6035, 94.3127



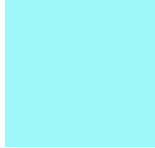
Protanomaly

67.6912, 79.5027, 86.6408



Deuteranomaly

70.2605, 78.8795, 96.3162



Tritanomaly

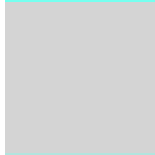
64.4602, 80.6302, 101.7883

Monochromacy



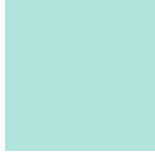
Original Color

58.8112, 81.6035, 94.3127



Achromatopsia

62.5785, 65.8375, 71.6970



Achromatomaly

59.2883, 70.2257, 79.5373

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.8112, 81.6035, 94.3127 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(118, 255, 239)` looks like.

```
.text, #text, p{  
    color:rgb(118, 255, 239)  
}
```

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(118, 255, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 255, 239) }
```

Border

The CSS property to change the border of an element to XYZ 58.8112, 81.6035, 94.3127 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(118, 255, 239) }
```


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

```
.border{ border-color:rgb(118, 255, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 255, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 255, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 255, 239);  
box-shadow:4px 4px 4px 4px rgb(118, 255,  
239) }
```

Background

The CSS property to change the background color of an element to XYZ 58.8112, 81.6035, 94.3127 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 255, 239) }
```

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

```
.background{ background-color: rgb(118,  
255, 239) }
```

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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