

Converting Colors

XYZ(57.7812, 80.9615, 99.2841)

Have a look what the booklet for
XYZ(57.7812, 80.9615, 99.2841)
contains.

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Color

**XYZ(57.7209, 80.9374,
98.9665)**

Conversions

Conversions Part 1

Format	Color
Hex	66FFF5
RGB	102, 255, 245
RGB Percent	40%, 100%, 96%
CMY	0.6000, 0.0000, 0.0392
CMYK	0.60, 0.00, 0.04, 0.00
HSL	176°, 100%, 70%
HSV	176°, 60%, 100%
XYZ	57.7209, 80.9374, 98.9665
YIQ	208.1130, -87.9780, -35.5460

Conversions

Conversions Part 2

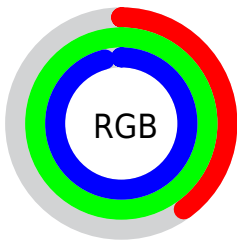
Format	Color
RYB	102, 181, 255
Decimal	6750197
CIELab	92.10, -42.55, -7.35
CIELCh	92, 43.178, 189.799
Yxy	80.9374, 0.2429, 0.3406
Android (android.graphics.Color)	4284940277 (0xFF66FFF5)
YUV	208.1130, 18.1853, -93.0611
Hunter-Lab	89.9652, -42.9151, -2.2465

Details

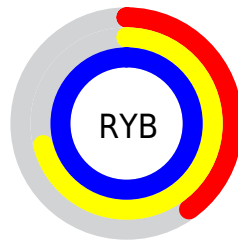
The XYZ color **57.7209, 80.9374, 98.9665** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **48.9169, 31.9340, 18.9163**, and the grayscale version is **59.9549, 63.0772, 68.6911**.

A 20% lighter version of the original color is **69.7463, 86.9555, 107.7158**, and **29.3794, 44.0623, 55.1005** is the 20% darker color. If you saturate the color by 10%, you get **55.0093, 79.5687, 97.5188**, and if you desaturate by 10%, it is **61.3254, 82.7660, 100.4708**.

Distribution



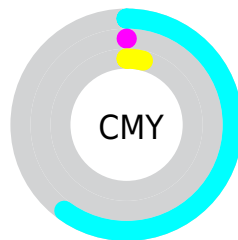
- Red (40%)
- Green (100%)
- Blue (96%)



- Red (40%)
- Yellow (71%)
- Blue (100%)



- Cyan (60%)
- Magenta (0%)
- Yellow (4%)
- Black (0%)





- Cyan (60%)
- Magenta (0%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 57.7209, 80.9374, 98.9665 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 57.7209, 80.9374, 98.9665 by changing the saturation by 10% instead.


 57.7209, 80.9374,
98.9665

 57.7209, 80.9374,
98.9665


406.1158,
498.0863, 578.0924


 41.8267, 60.4900,
74.8256


 100.6416,
134.6829, 161.7757

 29.1561, 43.8137,
54.9692


 128.3988,
168.7498, 201.2810

 19.3438, 30.5241,
38.9786


 160.8411,
208.1253, 246.7450

 12.0245, 20.2367,
26.4354

198.3338,
253.1939, 298.5861

 6.8327, 12.5673,
16.9210

241.2423,
304.3399, 357.2228

 3.4031, 7.1312,
10.0168

289.9319,

 1.3703, 3.5443,

361.9477, 423.0738

5.3043

344.7679,
426.4017, 496.5574

■ 0.2349, 1.4221,
2.3651

■ 0.0000, 0.2329,
0.7673

■ 57.7209, 80.9374,
98.9665

■ 57.7209, 80.9374,
98.9665

■ 55.0093, 79.5687,
97.5188

■ 61.3254, 82.7660,
100.4708

■ 53.1029, 78.6149,
96.1193

■ 65.8934, 85.0911,
102.0307

■ 51.9021, 78.0246,
94.7648

■ 71.4921, 87.9472,
103.6509

■ 51.2421, 77.7129,
93.4474

■ 78.1817, 91.3655,
105.3342

■ 51.2420, 77.7128,
93.4471

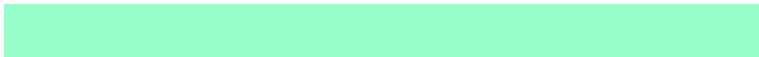
■ 86.0179, 95.3747,
107.0832

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.



58.5535, 80.9374, 68.6243



57.7209, 80.9374, 98.9665



61.6402, 80.9374, 133.4304

Triad

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



57.7209, 80.9374, 98.9665



91.4450, 80.9374, 144.0541



84.5522, 80.9374, 42.2394

Complementary

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



57.7209, 80.9374, 98.9665



48.9169, 31.9340, 18.9163

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.



94.5564, 80.9374, 54.4499



57.7209, 80.9374, 98.9665



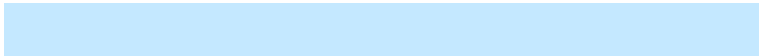
98.7943, 80.9374, 111.0136

Square

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



57.7209, 80.9374, 98.9665



80.6257, 80.9374, 163.3050



99.9847, 80.9374, 78.1095



73.3462, 80.9374, 40.5034

Rectangle

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



57.7209, 80.9374, 98.9665



66.6645, 80.9374, 152.3646



99.9847, 80.9374, 78.1095



88.1955, 80.9374, 45.0851

Sweetspot

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



57.7220, 80.9379, 98.9680



79.6536, 92.1182, 105.6782



44.8670, 75.9377, 24.8648



16.5934, 19.4841, 22.5124



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.



57.7220, 80.9379, 98.9680



54.5659, 79.3459, 97.2347



41.6640, 46.3127, 101.3511



18.5006, 20.4598, 22.9390



26.7970, 40.6154, 48.9435



2.6240, 3.9605, 4.8437

Inverse Universe

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



48.9169, 31.9340, 18.9163



45.0955, 26.4482, 10.9927



57.6974, 50.3370, 19.2472



18.0575, 18.0063, 18.9200



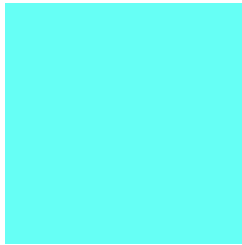
21.6182, 11.1366, 1.3742



2.1210, 1.0908, 0.2184

Previews

White Background



This preview shows how the XYZ color 57.7209, 80.9374, 98.9665 looks on a white background.

Color Contrast Check

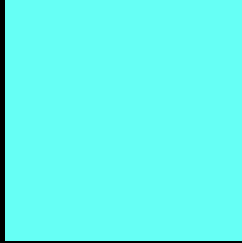
Large Text (above 18pt) WCAG AA × Fail

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 57.7209, 80.9374, 98.9665 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

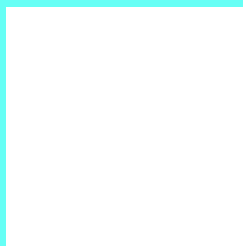
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 57.7209, 80.9374, 98.9665

Background



This preview shows how black text looks on a background with the XYZ color 57.7209, 80.9374, 98.9665.

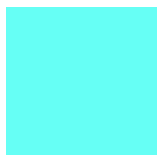


This preview shows how white text looks on a background with the XYZ color 57.7209, 80.9374,

Color Blindness Simulation

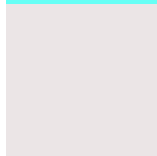
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



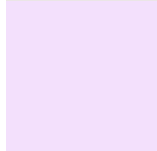
Original Color

57.7209, 80.9374, 98.9665



Protanopia

76.5632, 79.4140, 86.1560



Deuteranopia

81.1885, 79.3943, 103.1410



Tritanopia

67.7798, 80.4351, 106.5609

Trichromacy



Original Color

57.7209, 80.9374, 98.9665



Protanomaly

66.0634, 77.7120, 90.1153



Deuteranomaly

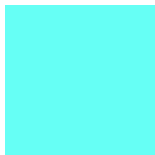
68.5454, 77.4627, 100.9616



Tritanomaly

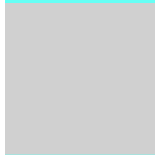
62.8861, 79.7825, 103.3519

Monochromacy



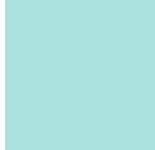
Original Color

57.7209, 80.9374, 98.9665



Achromatopsia

59.9535, 63.0757, 68.6895



Achromatomaly

56.3385, 67.5059, 78.4672

CSS Examples

Text

The CSS property to change the color of the text to XYZ 57.7209, 80.9374, 98.9665 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, 255, 245)` looks like.

```
.text, #text, p{  
    color:rgb(102, 255, 245)  
}
```

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, 255, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 255, 245) }
```

Border

The CSS property to change the border of an element to XYZ 57.7209, 80.9374, 98.9665 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, 255, 245) }
```


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

```
.border{ border-color:rgb(102, 255, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 255, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 255, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 255, 245);  
box-shadow:4px 4px 4px 4px rgb(102, 255,  
245) }
```

Background

The CSS property to change the background color of an element to XYZ 57.7209, 80.9374, 98.9665 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 255, 245) }
```

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

```
.background{ background-color: rgb(102,  
255, 245) }
```

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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