

Converting Colors

XYZ(58.0070, 81.0517, 89.9915)

Have a look what the booklet for
XYZ(58.0070, 81.0517, 89.9915)
contains.

XYZ(58.0757, 81.3251, 89.7272)	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(58.0757, 81.3251,
89.7272)**

Conversions

Conversions Part 1

Format	Color
Hex	77FFE9
RGB	119, 255, 233
RGB Percent	47%, 100%, 91%
CMY	0.5333, 0.0000, 0.0863
CMYK	0.53, 0.00, 0.09, 0.00
HSL	170°, 100%, 73%
HSV	170°, 53%, 100%
XYZ	58.0757, 81.3251, 89.7272
YIQ	211.8280, -73.9940, -35.6740

Conversions

Conversions Part 2

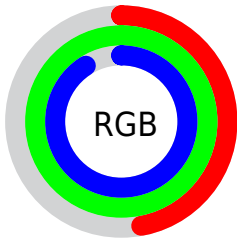
Format	Color
RYB	119, 193, 255
Decimal	7864297
CIELab	92.28, -42.42, -0.82
CIELCh	92, 42.433, 181.113
Yxy	81.3251, 0.2535, 0.3549
Android (android.graphics.Color)	4286054377 (0xFF77FFE9)
YUV	211.8280, 10.4378, -81.4102
Hunter-Lab	90.1804, -42.8627, 4.1343

Details

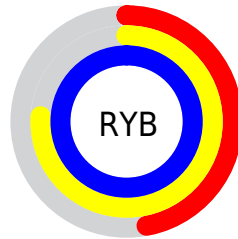
The XYZ color **58.0757, 81.3251, 89.7272** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **52.6454, 36.3780, 29.4475**, and the grayscale version is **62.4336, 65.6850, 71.5310**.

A 20% lighter version of the original color is **72.6324, 88.4433, 107.8509**, and **29.4453, 44.2406, 48.5823** is the 20% darker color. If you saturate the color by 10%, you get **54.4512, 79.5239, 86.5186**, and if you desaturate by 10%, it is **62.6546, 83.6167, 93.0552**.

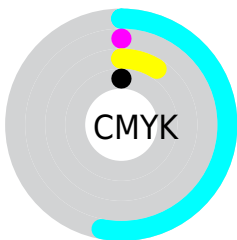
Distribution



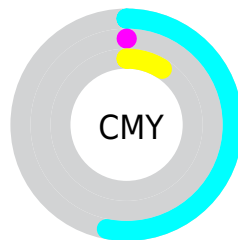
- Red (47%)
- Green (100%)
- Blue (91%)



- Red (47%)
- Yellow (76%)
- Blue (100%)



- Cyan (53%)
- Magenta (0%)
- Yellow (9%)
- Black (0%)




- Cyan (53%)
- Magenta (0%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 58.0757, 81.3251, 89.7272 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 58.0757, 81.3251, 89.7272 by changing the saturation by 10% instead.


 58.0757, 81.3251,
89.7272


 58.0757, 81.3251,
89.7272


407.4173,
499.3874, 547.6902


 42.1130, 60.8094,
67.1820


 101.1554,
135.2272, 148.8916

 29.3813, 44.0714,
48.7700


 129.0032,
169.3823, 186.3479

 19.5152, 30.7266,
34.0727

 161.5433,
208.8527, 229.6116

 12.1493, 20.3908,
22.6717

199.1412,
254.0227, 279.1012

 6.9184, 12.6794,
14.1482

242.1621,
305.2768, 335.2354

 3.4570, 7.2082,
8.0839

290.9716,

 1.3998, 3.5926,

362.9994, 398.4325

4.0602

345.9348,
427.5747, 469.1113

■ 0.2561, 1.4484,
1.6584

■ 0.0000, 0.2520,
0.3320

■ 58.0757, 81.3251,
89.7272

■ 58.0757, 81.3251,
89.7272

■ 54.4512, 79.5239,
86.5186

■ 62.6546, 83.6167,
93.0552

■ 51.7011, 78.1719,
83.4209

■ 68.2534, 86.4325,
96.5020

■ 49.7372, 77.2236,
80.4309

■ 74.9354, 89.8051,
100.0723

■ 48.4510, 76.6231,
77.5431

■ 82.7575, 93.7638,
103.7693

■ 47.8659, 76.3624,
75.6690

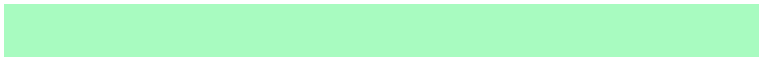
■ 91.7730, 98.3361,
107.5959

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.



60.2675, 81.3251, 62.4656



58.0757, 81.3251, 89.7272



60.6151, 81.3251, 123.5580

Triad

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



58.0757, 81.3251, 89.7272



88.7113, 81.3251, 150.9575



87.9361, 81.3251, 45.5045

Complementary

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



58.0757, 81.3251, 89.7272



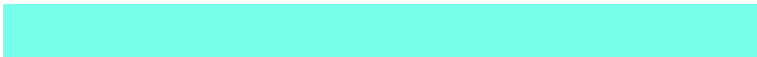
52.6454, 36.3780, 29.4475

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.



96.7892, 81.3251, 60.8696



58.0757, 81.3251, 89.7272



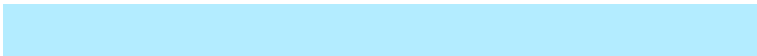
97.2657, 81.3251, 121.0387

Square

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



58.0757, 81.3251, 89.7272



77.7073, 81.3251, 163.6780



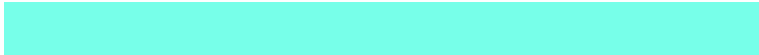
100.3508, 81.3251, 87.3816



76.8883, 81.3251, 40.8593

Rectangle

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



58.0757, 81.3251, 89.7272



64.8022, 81.3251, 144.3552



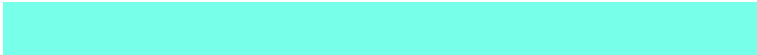
100.3508, 81.3251, 87.3816



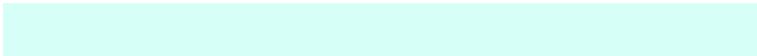
91.3029, 81.3251, 49.3743

Sweetspot

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



58.0767, 81.3256, 89.7287



80.5554, 92.6484, 102.7701



50.1890, 78.5737, 29.9754



16.8909, 19.6527, 21.8334



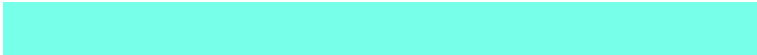
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



58.0767, 81.3256, 89.7287



54.2409, 79.4199, 86.3080



48.6232, 57.0719, 103.0610



18.4212, 20.4280, 22.5210



25.0580, 39.9198, 39.7865



2.4721, 3.8997, 4.0437

Inverse Universe

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



52.6454, 36.3780, 29.4475



48.3317, 30.1924, 20.4819



57.9059, 49.2636, 23.9112



18.1292, 18.0350, 19.2974



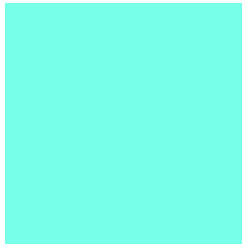
21.7953, 11.2074, 2.3064



2.1546, 1.1042, 0.3957

Previews

White Background



This preview shows how the XYZ color 58.0757, 81.3251, 89.7272 looks on a white background.

Color Contrast Check

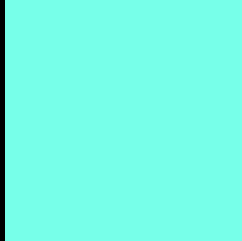
Large Text (above 18pt) WCAG AA × Fail

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 58.0757, 81.3251, 89.7272 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

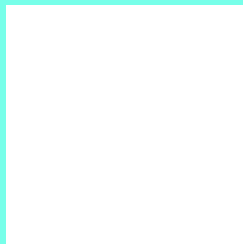
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 58.0757, 81.3251, 89.7272

Background



This preview shows how black text looks on a background with the XYZ color 58.0757, 81.3251, 89.7272.



This preview shows how white text looks on a background with the XYZ color 58.0757, 81.3251,

Color Blindness Simulation

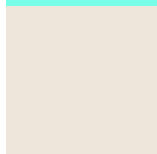
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



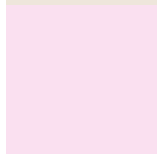
Original Color

58.0757, 81.3251, 89.7272



Protanopia

76.3429, 79.8852, 78.4135



Deuteranopia

81.8082, 79.9266, 93.5537



Tritanopia

68.6245, 80.4276, 106.5149

Trichromacy



Original Color

58.0757, 81.3251, 89.7272



Protanomaly

66.8267, 78.7169, 82.1928



Deuteranomaly

69.3515, 78.0876, 91.5380



Tritanomaly

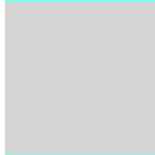
64.1498, 80.5060, 100.1539

Monochromacy



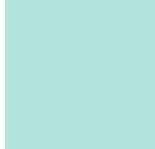
Original Color

58.0757, 81.3251, 89.7272



Achromatopsia

62.5785, 65.8375, 71.6970



Achromatomaly

59.0218, 70.1191, 78.1337

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.0757, 81.3251, 89.7272 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(119, 255, 233)` looks like.

```
.text, #text, p{  
    color:rgb(119, 255, 233)  
}
```

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(119, 255, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 255, 233) }
```

Border

The CSS property to change the border of an element to XYZ 58.0757, 81.3251, 89.7272 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(119, 255, 233) }
```


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

```
.border{ border-color:rgb(119, 255, 233) }
```

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

Here you see how a box with a 4 pixel rgb(119, 255, 233) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 255, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 255, 233);  
box-shadow:4px 4px 4px 4px rgb(119, 255,  
233) }
```

Background

The CSS property to change the background color of an element to XYZ 58.0757, 81.3251, 89.7272 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 255, 233) }
```

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

```
.background{ background-color: rgb(119,  
255, 233) }
```

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