

# Converting Colors

XYZ(67.1456, 100.0000,  
98.8338)

Have a look what the booklet for  
XYZ(67.1456, 100.0000, 98.8338)  
contains.

|  |    |
|--|----|
| <b>XYZ(57.7006, 80.9967, 95.8119)</b> .....    | 3  |
| <b><i>Conversions</i></b> .....                | 4  |
| <b><i>Details</i></b> .....                    | 6  |
| <b><i>Harmonies</i></b> .....                  | 12 |
| <b><i>Previews</i></b> .....                   | 24 |
| <b><i>Color Blindness Simulation</i></b> ..... | 28 |
| <b><i>CSS Examples</i></b> .....               | 31 |

# Color

**XYZ(57.7006, 80.9967,  
95.8119)**

# Conversions

## Conversions Part 1

| Format      | Color                        |
|-------------|------------------------------|
| Hex         | 6BFFF1                       |
| RGB         | 107, 255, 241                |
| RGB Percent | 42%, 100%, 95%               |
| CMY         | 0.5804, 0.0000, 0.0549       |
| CMYK        | 0.58, 0.00, 0.05, 0.00       |
| HSL         | 174°, 100%, 71%              |
| HSV         | 174°, 58%, 100%              |
| XYZ         | 57.7006, 80.9967, 95.8119    |
| YIQ         | 209.1520, -83.7140, -35.7300 |

# Conversions

## Conversions Part 2

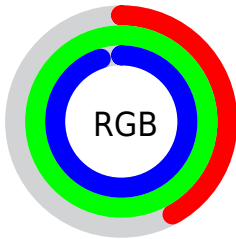
| <b>Format</b>                       | <b>Color</b>                   |
|-------------------------------------|--------------------------------|
| <b>RYB</b>                          | 107, 185, 255                  |
| Decimal                             | 7077873                        |
| CIELab                              | 92.13, -42.71, -5.22           |
| CIELCh                              | 92, 43.029, 186.970            |
| Yxy                                 | 80.9967, 0.2460,<br>0.3454     |
| Android<br>(android.graphics.Color) | 4285267953<br>(0xFF6BFFF1)     |
| YUV                                 | 209.1520, 15.7011,<br>-89.5873 |
| Hunter-Lab                          | 89.9982, -43.0549,<br>-0.1213  |

# Details

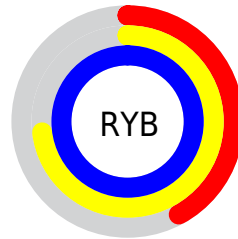
The XYZ color **57.7006, 80.9967, 95.8119** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **49.9498, 33.1573, 21.8580**, and the grayscale version is **60.6441, 63.8023, 69.4808**.

A 20% lighter version of the original color is **70.3876, 87.2860, 107.7458**, and **29.2395, 44.0397, 52.8584** is the 20% darker color. If you saturate the color by 10%, you get **54.7164, 79.4996, 93.8052**, and if you desaturate by 10%, it is **61.5954, 82.9626, 97.8890**.

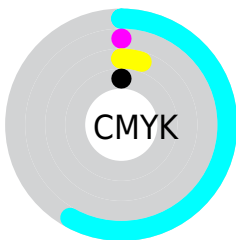
# Distribution



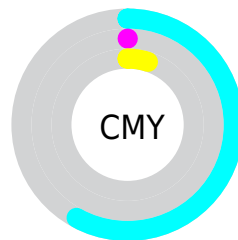
- Red (42%)
- Green (100%)
- Blue (95%)



- Red (42%)
- Yellow (73%)
- Blue (100%)



- Cyan (58%)
- Magenta (0%)
- Yellow (5%)
- Black (0%)




- Cyan (58%)
- Magenta (0%)
- Yellow (5%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 57.7006, 80.9967, 95.8119 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 57.7006, 80.9967, 95.8119 by changing the saturation by 10% instead.





 57.7006, 80.9967,  
95.8119


 57.7006, 80.9967,  
95.8119


406.0412,  
498.2855, 567.8115

 41.8103, 60.5389,  
72.2103


 100.6122,  
134.7661, 157.3910

 29.1433, 43.8531,  
52.8426


 128.3643,  
168.8465, 196.2056

 19.3340, 30.5551,  
37.2903

 160.8009,  
208.2366, 240.9283

 12.0173, 20.2603,  
25.1348

198.2876,  
253.3207, 291.9775

 6.8278, 12.5844,  
15.9576

241.1896,  
304.4832, 349.7719

 3.4000, 7.1430,  
9.3401

289.8723,

 1.3686, 3.5517,

362.1086, 414.7301

4.8638

344.7011,  
426.5812, 487.2704

■ 0.2337, 1.4261,  
2.1103

■ 0.0000, 0.2358,  
0.6219

■ 57.7006, 80.9967,  
95.8119

■ 57.7006, 80.9967,  
95.8119

■ 54.7164, 79.4996,  
93.8052

■ 61.5954, 82.9626,  
97.8890

■ 52.5574, 78.4274,  
91.8604


■ 66.4696, 85.4329,  
100.0355

■ 51.1280, 77.7308,  
89.9746

■ 72.3893, 88.4416,  
102.2560

■ 50.2965, 77.3419,  
88.1413

■ 79.4137, 92.0192,  
104.5534

 50.1669, 77.2828,  
87.7859

 87.5977, 96.1941,  
106.9304

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.



58.9821, 80.9967, 66.3947



57.7006, 80.9967, 95.8119



61.1753, 80.9967, 130.2500

# Triad

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



57.7006, 80.9967, 95.8119



90.5333, 80.9967, 146.5289



85.6312, 80.9967, 43.0851

# Complementary

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



57.7006, 80.9967, 95.8119



49.9498, 33.1573, 21.8580

# 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.



95.3076, 80.9967, 56.3286



57.7006, 80.9967, 95.8119



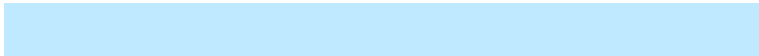
98.3223, 80.9967, 114.3026

# Square

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



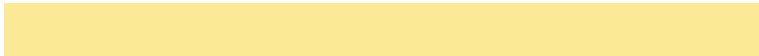
57.7006, 80.9967, 95.8119



79.6017, 80.9967, 163.7525



100.1483, 80.9967, 80.9865



74.4262, 80.9967, 40.4039



# Rectangle

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



57.7006, 80.9967, 95.8119



65.9379, 80.9967, 149.9338



100.1483, 80.9967, 80.9865



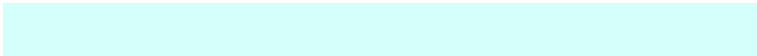
89.2017, 80.9967, 46.2629

# Sweetspot

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



57.7016, 80.9972, 95.8134



80.2074, 92.4238, 104.7961



46.4128, 76.7051, 26.2711



16.8409, 19.6159, 22.3302



0.0000, 0.0000, 0.0000

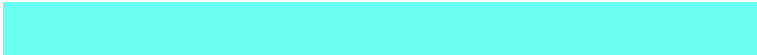


20.3446, 21.4041, 23.3091



# Same Dimension

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



57.7016, 80.9972, 95.8134



54.2301, 79.2569, 93.4185



43.8096, 49.7371, 101.8989



18.4764, 20.4501, 22.8117



26.2437, 40.3941, 46.0302



2.5759, 3.9413, 4.5907



# Inverse Universe

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



49.9498, 33.1573, 21.8580



45.8518, 27.2952, 13.2971



57.5675, 49.6683, 20.4645



18.0791, 18.0150, 19.0339



21.6587, 11.1528, 1.5873

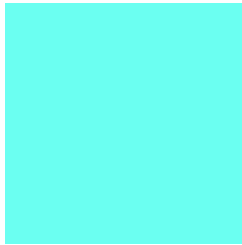


2.1312, 1.0948, 0.2722



# Previews

## White Background



This preview shows how the XYZ color 57.7006, 80.9967, 95.8119 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

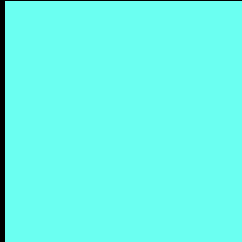
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 57.7006, 80.9967, 95.8119 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 57.7006, 80.9967, 95.8119**

## **Background**



This preview shows how black text looks on a background with the XYZ color 57.7006, 80.9967, 95.8119.



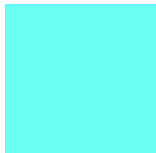
This preview shows how white text looks on a background with the XYZ color 57.7006, 80.9967,



# Color Blindness Simulation

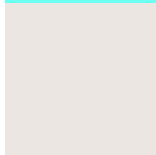
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



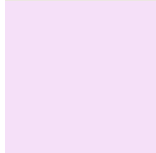
### Original Color

57.7006, 80.9967, 95.8119



### Protanopia

76.6164, 79.9175, 83.3390



### Deuteranopia

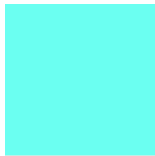
81.2551, 79.5011, 99.8696



## Tritanopia

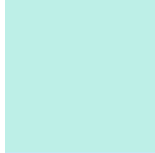
68.0051, 80.5513, 106.5714

# Trichromacy



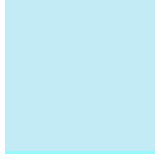
## Original Color

57.7006, 80.9967, 95.8119



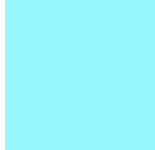
## Protanomaly

66.2766, 78.3213, 87.2257



## Deuteranomaly

68.6954, 77.6113, 97.7461



## Tritanomaly

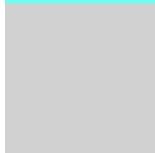
63.2786, 80.0030, 102.5495

# Monochromacy



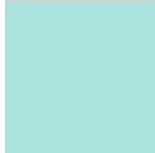
## Original Color

57.7006, 80.9967, 95.8119



## Achromatopsia

60.6036, 63.7597, 69.4343



## Achromatomaly

57.2608, 68.3838, 78.5880

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 57.7006, 80.9967, 95.8119 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(107, 255, 241)` looks like.

```
.text, #text, p{  
    color:rgb(107, 255, 241)  
}
```

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(107, 255, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 255, 241) }
```

## Border

The CSS property to change the border of an element to XYZ 57.7006, 80.9967, 95.8119 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(107, 255, 241) }
```



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

```
.border{ border-color:rgb(107, 255, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 255, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 255, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 255, 241);  
box-shadow:4px 4px 4px 4px rgb(107, 255,  
241) }
```

# Background

The CSS property to change the background color of an element to XYZ 57.7006, 80.9967, 95.8119 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 255, 241) }
```

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

```
.background{ background-color: rgb(107,  
255, 241) }
```

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