

# Converting Colors

XYZ(67.2165, 100.0000,  
104.9110)

Have a look what the booklet for  
XYZ(67.2165, 100.0000, 104.9110)  
contains.

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# Color

**XYZ(57.5271, 80.7841,  
101.3678)**

# Conversions

## Conversions Part 1

Format	Color
Hex	60FFF8
RGB	96, 255, 248
RGB Percent	38%, 100%, 97%
CMY	0.6235, 0.0000, 0.0274
CMYK	0.62, 0.00, 0.03, 0.00
HSL	177°, 100%, 69%
HSV	177°, 62%, 100%
XYZ	57.5271, 80.7841, 101.3678
YIQ	206.6610, -92.5170, -35.8850

# Conversions

## Conversions Part 2

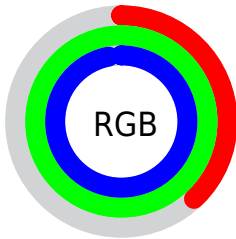
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">96, 177, 255</a>
Decimal	<a href="#">6356984</a>
CIELab	<a href="#">92.04, -42.73, -9.02</a>
CIELCh	<a href="#">92, 43.670, 191.921</a>
Yxy	<a href="#">80.7841, 0.2400, 0.3371</a>
Android (android.graphics.Color)	<a href="#">4284547064</a> ( <a href="#">0xFF60FFF8</a> )
YUV	<a href="#">206.6610, 20.3801, -97.0497</a>
Hunter-Lab	<a href="#">89.8800, -43.0422, -3.9520</a>

# Details

The XYZ color **57.5271, 80.7841, 101.3678** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **47.8720, 30.6065, 16.2180**, and the grayscale version is **59.0068, 62.0798, 67.6049**.

A 20% lighter version of the original color is **68.7103, 86.4214, 107.6673**, and **29.7085, 44.1939, 56.8337** is the 20% darker color. If you saturate the color by 10%, you get **55.0924, 79.5490, 100.3489**, and if you desaturate by 10%, it is **60.8348, 82.4690, 102.4359**.

# Distribution



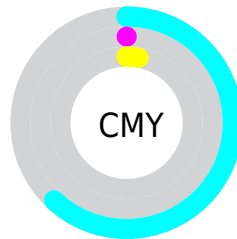
- Red (38%)
- Green (100%)
- Blue (97%)



- Red (38%)
- Yellow (69%)
- Blue (100%)



- Cyan (62%)
- Magenta (0%)
- Yellow (3%)
- Black (0%)




- Cyan (62%)
- Magenta (0%)
- Yellow (3%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 57.5271, 80.7841, 101.3678 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 57.5271, 80.7841, 101.3678 by changing the saturation by 10% instead.





 57.5271, 80.7841,  
101.3678


 57.5271, 80.7841,  
101.3678


405.4038,  
497.5714, 585.8532


 41.6704, 60.3638,  
76.8201


 100.3608,  
134.4676, 165.1038

 29.0332, 43.7119,  
56.5946


 128.0685,  
168.4995, 205.1292

 19.2504, 30.4441,  
40.2726


 160.4572,  
207.8375, 251.1510

 11.9564, 20.1759,  
27.4358

197.8924,  
252.8659, 303.5875

 6.7860, 12.5230,  
17.6654

240.7392,  
303.9691, 362.8575

 3.3738, 7.1009,  
10.5431

289.3632,

 1.3544, 3.5253,

361.5315, 429.3794

5.6502

344.1296,  
425.9374, 503.5718

■ 0.2234, 1.4117,  
2.5683

■ 0.0000, 0.2253,  
0.8760

■ 57.5271, 80.7841,  
101.3678

■ 57.5271, 80.7841,  
101.3678

■ 55.0924, 79.5490,  
100.3489

■ 60.8348, 82.4690,  
102.4359

■ 53.4398, 78.7170,  
99.3706


■ 65.0880, 84.6414,  
103.5522


■ 52.4642, 78.2339,  
98.4294

■ 70.3557, 87.3365,  
104.7215

■ 52.0551, 78.0380,  
97.7289

■ 76.6994, 90.5863,  
105.9467

 84.1757, 94.4198,  
107.2303

 92.8372, 98.8642,  
108.5749

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.



58.0240, 80.7841, 70.1243



57.5271, 80.7841, 101.3678



61.8052, 80.7841, 136.1046

# Triad

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



57.5271, 80.7841, 101.3678



92.1381, 80.7841, 142.4893



83.6835, 80.7841, 41.2826

# Complementary

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



57.5271, 80.7841, 101.3678



47.8720, 30.6065, 16.2180

# 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.



94.0036, 80.7841, 52.7637



57.5271, 80.7841, 101.3678



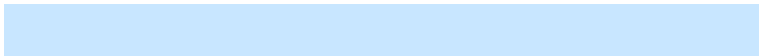
99.2030, 80.7841, 108.5897

# Square

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



57.5271, 80.7841, 101.3678



81.3318, 80.7841, 163.4383



99.9173, 80.7841, 75.7902



72.4067, 80.7841, 40.2524



# Rectangle

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



57.5271, 80.7841, 101.3678



67.0573, 80.7841, 154.6130



99.9173, 80.7841, 75.7902



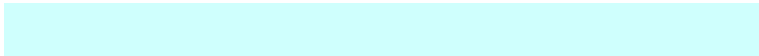
87.4060, 80.7841, 43.8886

# Sweetspot

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



57.5282, 80.7846, 101.3693



79.0751, 91.8041, 106.3701



43.5756, 75.3052, 23.3069



16.4894, 19.4264, 22.6901



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

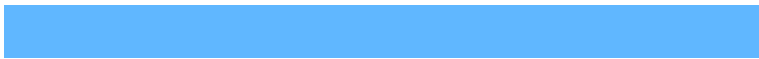
The Same Dimension uses a secret algorithm to generate beautiful new colors.



57.5282, 80.7846, 101.3693



54.5822, 79.2912, 100.0857



39.9018, 43.7615, 100.9515



18.5183, 20.4668, 23.0322



27.2151, 40.7826, 51.1455



2.6601, 3.9750, 5.0340



# Inverse Universe

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



47.8720, 30.6065, 16.2180



44.2345, 25.3687, 8.7249



57.2721, 49.9456, 17.6901



18.0418, 18.0000, 18.8372



21.5949, 11.1273, 1.2513

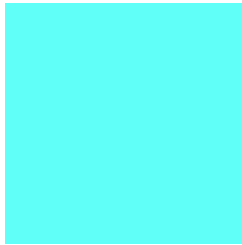


2.1135, 1.0878, 0.1791



# Previews

## White Background



This preview shows how the XYZ color 57.5271, 80.7841, 101.3678 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

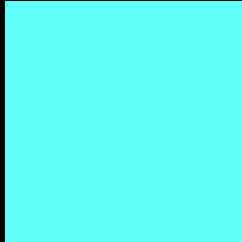
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 57.5271, 80.7841, 101.3678 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 57.5271, 80.7841, 101.3678

## Background



This preview shows how black text looks on a background with the XYZ color 57.5271, 80.7841, 101.3678.



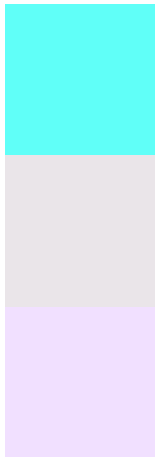
This preview shows how white text looks on a background with the XYZ color 57.5271, 80.7841,



# 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

57.5271, 80.7841, 101.3678

### Protanopia

76.6590, 79.4142, 88.3789

### Deuteranopia

80.9813, 79.2321, 105.6329



## Tritanopia

67.3342, 80.2054, 106.5400

# Trichromacy



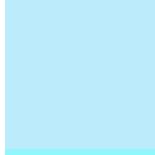
## Original Color

57.5271, 80.7841, 101.3678



## Protanomaly

65.7743, 77.5125, 92.3836



## Deuteranomaly

68.0181, 77.1363, 103.3993



## Tritanomaly

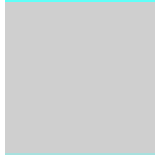
62.5085, 79.5695, 104.1594

# Monochromacy



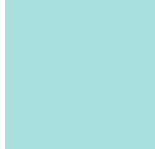
## Original Color

57.5271, 80.7841, 101.3678



## Achromatopsia

59.3074, 62.3960, 67.9493



## Achromatomaly

55.7768, 66.8007, 79.0613

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 57.5271, 80.7841, 101.3678 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(96, 255, 248)` looks like.

```
.text, #text, p{  
    color:rgb(96, 255, 248)  
}
```

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(96, 255, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 255, 248) }
```

## Border

The CSS property to change the border of an element to XYZ 57.5271, 80.7841, 101.3678 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(96, 255, 248) }
```



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

```
.border{ border-color:rgb(96, 255, 248) }
```

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

Here you see how a box with a 4 pixel `rgb(96, 255, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 255, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 255, 248);  
box-shadow:4px 4px 4px 4px rgb(96, 255,  
248) }
```

# Background

The CSS property to change the background color of an element to XYZ 57.5271, 80.7841, 101.3678 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 255, 248) }
```

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

```
.background{ background-color: rgb(96, 255,  
248) }
```

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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