

# Converting Colors

XYZ(95.7244, 100.0000,  
294.6561)

Have a look what the booklet for  
XYZ(95.7244, 100.0000, 294.6561)  
contains.

<b>XYZ(57.7405, 80.7662, 107.1539)</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(57.7405, 80.7662,  
107.1539)**

# Conversions

## Conversions Part 1

Format	Color
Hex	57FFFF
RGB	87, 255, 255
RGB Percent	34%, 100%, 100%
CMY	0.6588, 0.0000, 0.0000
CMYK	0.66, 0.00, 0.00, 0.00
HSL	180°, 100%, 67%
HSV	180°, 66%, 100%
XYZ	57.7405, 80.7662, 107.1539
YIQ	204.7680, -100.1280, -35.6160

# Conversions

## Conversions Part 2

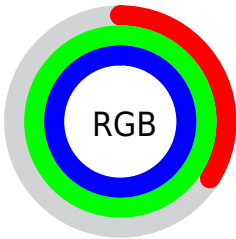
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">87, 171, 255</a>
Decimal	<a href="#">5767167</a>
<a href="#">CIELab</a>	<a href="#">92.03, -42.17, -12.68</a>
<a href="#">CIElCh</a>	<a href="#">92, 44.037, 196.737</a>
<a href="#">Yxy</a>	<a href="#">80.7662, 0.2350, 0.3288</a>
Android (android.graphics.Color)	<a href="#">4283957247</a> (0xFF57FFFF)
<a href="#">YUV</a>	<a href="#">204.7680, 24.7644, -103.2825</a>
<a href="#">Hunter-Lab</a>	<a href="#">89.8700, -42.5882, -7.7837</a>

# Details

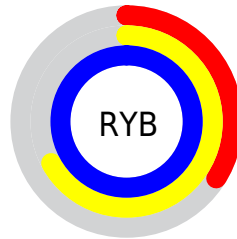
The XYZ color **57.7405, 80.7662, 107.1539** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light muted cyan. A complement of this color would be **46.3698, 28.7664, 12.1276**, and the grayscale version is **57.7756, 60.7844, 66.1942**.

A 20% lighter version of the original color is **67.5203, 85.8079, 107.6116**, and **30.3871, 44.4654, 60.4072** is the 20% darker color. If you saturate the color by 10%, you get **55.7660, 79.7484, 107.0615**, and if you desaturate by 10%, it is **60.5572, 82.2183, 107.2858**.

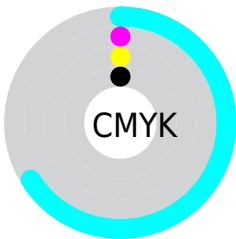
# Distribution



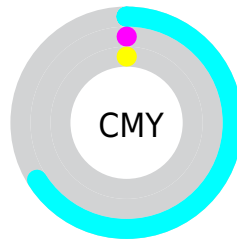
- Red (34%)
- Green (100%)
- Blue (100%)



- Red (34%)
- Yellow (67%)
- Blue (100%)



- Cyan (66%)
- Magenta (0%)
- Yellow (0%)
- Black (0%)



- Cyan (66%)
- Magenta (0%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 57.7405, 80.7662, 107.1539 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 57.7405, 80.7662, 107.1539 by changing the saturation by 10% instead.



57.7405, 80.7662,  
107.1539

57.7405, 80.7662,  
107.1539

406.1878,  
497.5112, 604.3347

41.8425, 60.3491,  
81.6383

100.6700,  
134.4424, 173.0914

29.1686, 43.7000,  
60.5333

128.4322,  
168.4703, 214.3503

19.3533, 30.4348,  
43.4206

160.8799,  
207.8039, 261.6941

12.0314, 20.1688,  
29.8814

198.3784,  
252.8276, 315.5413

6.8374, 12.5178,  
19.4973

241.2931,  
303.9258, 376.3104

3.4060, 7.0974,  
11.8497

289.9893,

1.3719, 3.5231,

361.4829, 444.4200

6.5201

344.8324,  
425.8832, 520.2886

■ 0.2361, 1.4105,  
3.0900

■ 0.0000, 0.2245,  
1.1408

■ 57.7405, 80.7662,  
107.1539

■ 57.7405, 80.7662,  
107.1539

■ 55.7660, 79.7484,  
107.0615

■ 60.5572, 82.2183,  
107.2858

■ 54.5379, 79.1153,  
107.0041

■ 64.2930, 84.1442,  
107.4606

■ 53.9416, 78.8079,  
106.9762

■ 69.0190, 86.5805,  
107.6818

■ 53.8100, 78.7400,  
106.9700

■ 74.7989, 89.5602,  
107.9523

■ 81.6908, 93.1131,  
108.2748

■ 89.7487, 97.2671,  
108.6519

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.



57.4584, 80.7662, 74.3920



57.7405, 80.7662, 107.1539



62.7855, 80.7662, 141.6329

# Triad

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



57.7405, 80.7662, 107.1539



93.7436, 80.7662, 137.9917



81.8720, 80.7662, 40.1282

# Complementary

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



57.7405, 80.7662, 107.1539



46.3698, 28.7664, 12.1276

# 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.



92.6812, 80.7662, 49.8895



57.7405, 80.7662, 107.1539



99.9760, 80.7662, 103.0419

# Square

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



57.7405, 80.7662, 107.1539



83.2102, 80.7662, 162.2199



99.5692, 80.7662, 71.1734



70.6631, 80.7662, 40.7109



# Rectangle

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



57.7405, 80.7662, 107.1539



68.4810, 80.7662, 158.5938



99.5692, 80.7662, 71.1734



85.6934, 80.7662, 42.1818

# Sweetspot

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



57.7415, 80.7667, 107.1540



78.7118, 91.5774, 108.1354



41.4122, 74.2350, 21.1652



16.4367, 19.3895, 23.1262



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.



57.7415, 80.7667, 107.1540



55.3073, 79.5119, 107.0401



36.5454, 38.3745, 100.0886



18.5550, 20.4815, 23.2253



28.1169, 41.1433, 55.8941



2.7376, 4.0060, 5.4422



# Inverse Universe

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



62.6990, 35.2981, 98.1163



60.5883, 31.0766, 97.4128



57.5246, 51.0761, 15.8459



18.7928, 18.3004, 22.7918



30.9803, 14.8814, 50.6741

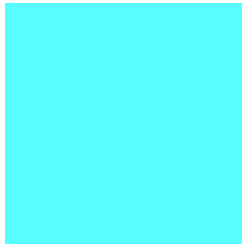


3.0164, 1.4490, 4.9340



# Previews

## White Background



This preview shows how the XYZ color 57.7405, 80.7662, 107.1539 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

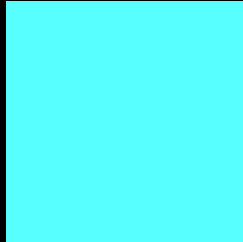
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 57.7405, 80.7662, 107.1539 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

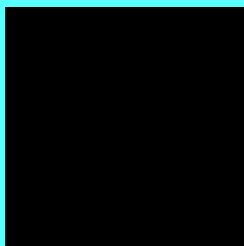
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

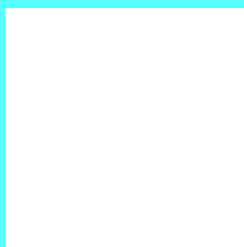
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 57.7405, 80.7662, 107.1539

## Background



This preview shows how black text looks on a background with the XYZ color 57.7405, 80.7662, 107.1539.



This preview shows how white text looks on a background with the XYZ color 57.7405, 80.7662,



# Color Blindness Simulation

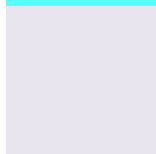
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



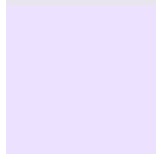
### Original Color

57.7405, 80.7662, 107.1539



### Protanopia

76.8780, 79.4264, 92.9403



### Deuteranopia

79.8384, 79.4456, 105.7343



## Tritanopia

67.1138, 80.0918, 106.5297

# Trichromacy



## Original Color

57.7405, 80.7662, 107.1539



## Protanomaly

65.6464, 77.3253, 97.8516



## Deuteranomaly

67.6256, 77.7335, 106.0476



## Tritanomaly

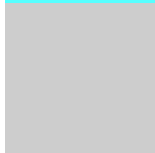
62.2953, 79.4042, 106.6510

# Monochromacy



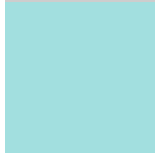
## Original Color

57.7405, 80.7662, 107.1539



## Achromatopsia

58.0276, 61.0496, 66.4830



## Achromatomaly

54.6073, 65.7844, 79.6316

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 57.7405, 80.7662, 107.1539 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(87, 255, 255)` looks like.

```
.text, #text, p{  
    color:rgb(87, 255, 255)  
}
```

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(87, 255, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 255, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 57.7405, 80.7662, 107.1539 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".

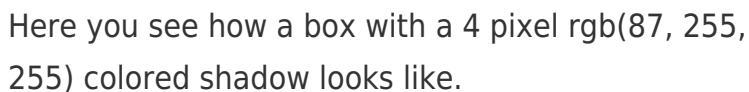
```
.border, #border, table{ border:4px solid rgb(87, 255, 255) }
```



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

```
.border{ border-color:rgb(87, 255, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(87, 255, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(87, 255, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(87, 255, 255); box-shadow:4px 4px 4px 4px rgb(87, 255, 255) }
```

# Background

The CSS property to change the background color of an element to XYZ 57.7405, 80.7662, 107.1539 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 255, 255) }
```

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

```
.background{ background-color: rgb(87, 255,  
255) }
```

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