

# Converting Colors

XYZ(56.6074, 80.1821,  
107.1009)

Have a look what the booklet for  
XYZ(56.6074, 80.1821, 107.1009)  
contains.

<b>XYZ(56.6340, 80.1958, 107.1022)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	24
<i><b>Color Blindness Simulation</b></i> .....	28
<i><b>CSS Examples</b></i> .....	31

# **Color**

**XYZ(56.6340, 80.1958,  
107.1022)**

# Conversions

## Conversions Part 1

Format	Color
Hex	4AFFFF
RGB	74, 255, 255
RGB Percent	29%, 100%, 100%
CMY	0.7098, 0.0000, 0.0000
CMYK	0.71, 0.00, 0.00, 0.00
HSL	180°, 100%, 65%
HSV	180°, 71%, 100%
XYZ	56.6340, 80.1958, 107.1022
YIQ	200.8810, -107.8760, -38.3720

# Conversions

## Conversions Part 2

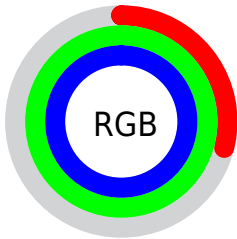
<b>Format</b>	<b>Color</b>
<b>RYB</b>	74, 165, 255
Decimal	4915199
CIELab	91.77, -43.79, -13.09
CIELCh	92, 45.709, 196.640
Yxy	80.1958, 0.2322, 0.3288
Android (android.graphics.Color)	4283105279 (0xFF4AFFFF)
YUV	200.8810, 26.6807, -111.2746
Hunter-Lab	89.5521, -43.8303, -8.2230

# Details

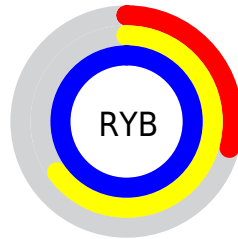
The XYZ color **56.6340, 80.1958, 107.1022** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light washed cyan. A complement of this color would be **44.9260, 26.6537, 9.2574**, and the grayscale version is **55.3331, 58.2147, 63.3959**.

A 20% lighter version of the original color is **65.8426, 84.9430, 107.5331**, and **30.3871, 44.4654, 60.4072** is the 20% darker color. If you saturate the color by 10%, you get **55.0532, 79.3809, 107.0282**, and if you desaturate by 10%, it is **59.0117, 81.4216, 107.2134**.

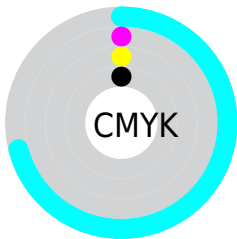
# Distribution



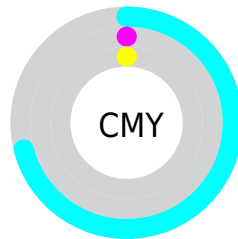
- Red (29%)
- Green (100%)
- Blue (100%)



- Red (29%)
- Yellow (65%)
- Blue (100%)



- Cyan (71%)
- Magenta (0%)
- Yellow (0%)
- Black (0%)



- Cyan (71%)
- Magenta (0%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 56.6340, 80.1958, 107.1022 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 56.6340, 80.1958, 107.1022 by changing the saturation by 10% instead.



56.6340, 80.1958,  
107.1022

56.6340, 80.1958,  
107.1022

402.1128,  
495.5924, 604.1709

40.9505, 59.8795,  
81.5952

99.0654, 133.6410,  
173.0202

28.4679, 43.3215,  
60.4980

126.5440,  
167.5386, 214.2682

18.8209, 30.1375,  
43.3923

158.6849,  
206.7322, 261.6003

11.6442, 19.9429,  
29.8593

195.8536,  
251.6061, 315.4351

6.5723, 12.3536,  
19.4807

238.4154,  
302.5446, 376.1909

3.2401, 6.9850,  
11.8378

286.7356,

1.2819, 3.4527,

359.9323, 444.2865

6.5121

341.1796,  
424.1534, 520.1403

■ 0.1696, 1.3724,  
3.0851

■ 0.0000, 0.1962,  
1.1383

■ 56.6340, 80.1958,  
107.1022

■ 56.6340, 80.1958,  
107.1022

■ 55.0532, 79.3809,  
107.0282

■ 59.0117, 81.4216,  
107.2134

■ 54.1636, 78.9223,  
106.9865

■ 62.2692, 83.1009,  
107.3659

■ 53.8100, 78.7400,  
106.9700

■ 66.4821, 85.2727,  
107.5630

■ 71.7171, 87.9715,  
107.8080

■ 78.0352, 91.2285,  
108.1037

■ 85.4922, 95.0728,  
108.4527

■ 94.1405, 99.5311,  
108.8574

■ 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.



56.3611, 80.1958, 73.2595



56.6340, 80.1958, 107.1022



61.7954, 80.1958, 143.0491

# Triad

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



56.6340, 80.1958, 107.1022



93.7809, 80.1958, 139.4561



81.5421, 80.1958, 38.4321

# Complementary

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



56.6340, 80.1958, 107.1022



44.9260, 26.6537, 9.2574

# 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.



92.7394, 80.1958, 48.3484



56.6340, 80.1958, 107.1022



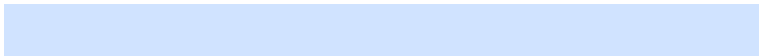
100.2778, 80.1958, 103.0725

# Square

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



56.6340, 80.1958, 107.1022



82.8500, 80.1958, 164.7559



99.8783, 80.1958, 70.1365



69.9605, 80.1958, 38.9869



# Rectangle

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



56.6340, 80.1958, 107.1022



67.6455, 80.1958, 160.8421



99.8783, 80.1958, 70.1365



85.4981, 80.1958, 40.5159

# Sweetspot

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



56.6349, 80.1963, 107.1022



78.0186, 91.2200, 108.1029



39.8214, 73.4709, 18.5631



16.3021, 19.3201, 23.1199



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.



56.6349, 80.1963, 107.1022



54.6186, 79.1568, 107.0078



34.2411, 35.4087, 99.6376



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.



61.7396, 33.3791, 97.7965



59.9911, 29.8823, 97.2137



55.8426, 48.4869, 12.8963



18.7928, 18.3004, 22.7918



30.9803, 14.8814, 50.6741

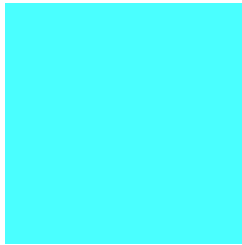


3.0164, 1.4490, 4.9340



# Previews

## White Background



This preview shows how the XYZ color 56.6340, 80.1958, 107.1022 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

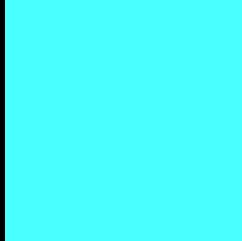
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 56.6340, 80.1958, 107.1022 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 56.6340, 80.1958, 107.1022

## Background



This preview shows how black text looks on a background with the XYZ color 56.6340, 80.1958, 107.1022.



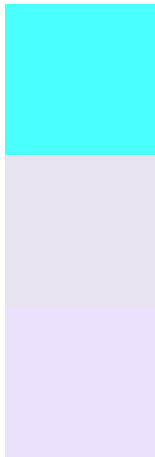
This preview shows how white text looks on a background with the XYZ color 56.6340, 80.1958,



# 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

56.6340, 80.1958, 107.1022

### Protanopia

76.2784, 78.7077, 92.8332

### Deuteranopia

79.2362, 78.7326, 105.6285



## Tritanopia

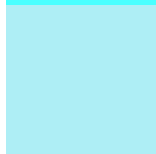
66.0369, 79.5367, 106.4793

# Trichromacy



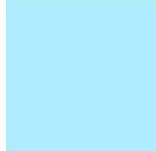
## Original Color

56.6340, 80.1958, 107.1022



## Protanomaly

64.5115, 76.7403, 97.7984



## Deuteranomaly

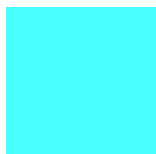
65.9499, 76.4410, 105.8864



## Tritanomaly

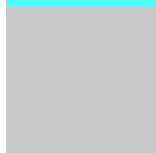
60.9836, 78.7281, 106.5896

# Monochromacy



## Original Color

56.6340, 80.1958, 107.1022



## Achromatopsia

55.5167, 58.4078, 63.6061



## Achromatomaly

52.4252, 63.9019, 77.9778

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 56.6340, 80.1958, 107.1022 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(74, 255, 255)` looks like.

```
.text, #text, p{  
    color:rgb(74, 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(74, 255, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 255, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 56.6340, 80.1958, 107.1022 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(74, 255, 255) }
```



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

```
.border{ border-color:rgb(74, 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(74, 255, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 255, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 255, 255);  
box-shadow:4px 4px 4px 4px rgb(74, 255,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 56.6340, 80.1958, 107.1022 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 255, 255) }
```

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

```
.background{ background-color: rgb(74, 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