

# Converting Colors

XYZ(64.4610, 96.0055,  
105.2554)

Have a look what the booklet for  
XYZ(64.4610, 96.0055, 105.2554)  
contains.

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# Color

**XYZ(56.6715, 80.3069,  
102.9564)**

# Conversions

## Conversions Part 1

Format	Color
Hex	54FFFA
RGB	84, 255, 250
RGB Percent	33%, 100%, 98%
CMY	0.6705, 0.0000, 0.0196
CMYK	0.67, 0.00, 0.02, 0.00
HSL	178°, 100%, 66%
HSV	178°, 67%, 100%
XYZ	56.6715, 80.3069, 102.9564
YIQ	203.3010, -100.3110, -37.8070

# Conversions

## Conversions Part 2

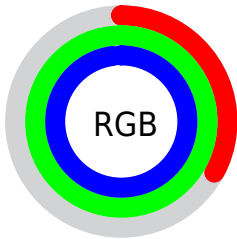
<b>Format</b>	<b>Color</b>
<b>RYB</b>	84, 171, 255
Decimal	5570554
CIELab	91.82, -43.92, -10.40
CIElCh	92, 45.132, 193.326
Yxy	80.3069, 0.2362, 0.3347
Android (android.graphics.Color)	4283760634 (0xFF54FFFA)
YUV	203.3010, 23.0226, -104.6270
Hunter-Lab	89.6141, -43.9422, -5.3876

# Details

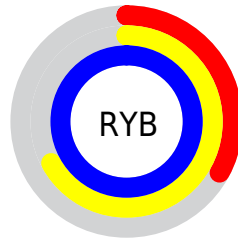
The XYZ color **56.6715, 80.3069, 102.9564** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light muted cyan. A complement of this color would be **46.2147, 28.3237, 12.4843**, and the grayscale version is **56.8603, 59.8215, 65.1456**.

A 20% lighter version of the original color is **67.1364, 85.6100, 107.5937**, and **29.9317, 44.2832, 58.0089** is the 20% darker color. If you saturate the color by 10%, you get **54.6737, 79.2905, 102.2554**, and if you desaturate by 10%, it is **59.5024, 81.7528, 103.7018**.

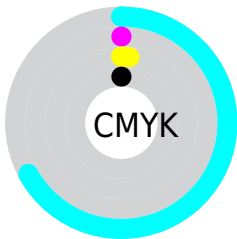
# Distribution



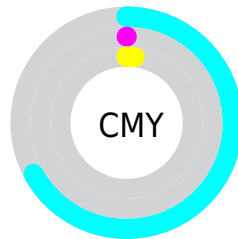
- Red (33%)
- Green (100%)
- Blue (98%)



- Red (33%)
- Yellow (67%)
- Blue (100%)



- Cyan (67%)
- Magenta (0%)
- Yellow (2%)
- Black (0%)



- Cyan (67%)
- Magenta (0%)
- Yellow (2%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 56.6715, 80.3069, 102.9564 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 56.6715, 80.3069, 102.9564 by changing the saturation by 10% instead.





 56.6715, 80.3069,  
102.9564


 56.6715, 80.3069,  
102.9564


402.2513,  
495.9665, 590.9576


 40.9807, 59.9709,  
78.1412


 99.1198, 133.7971,  
167.3013


 28.4916, 43.3952,  
57.6729


 126.6080,  
167.7202, 207.6680

 18.8389, 30.1953,  
41.1328


 158.7594,  
206.9411, 254.0558

 11.6572, 19.9869,  
28.1024

 195.9393,  
251.8441, 306.8830

 6.5813, 12.3855,  
18.1631

238.5131,  
302.8138, 366.5682

 3.2456, 7.0068,  
10.8965

286.8462,

 1.2849, 3.4664,

360.2345, 433.5300

5.8840

341.3038,  
424.4906, 508.1870

■ 0.1719, 1.3798,  
2.7070

■ 0.0000, 0.2017,  
0.9470

■ 56.6715, 80.3069,  
102.9564

■ 56.6715, 80.3069,  
102.9564

■ 54.6737, 79.2905,  
102.2554

■ 59.5024, 81.7528,  
103.7018

■ 53.4102, 78.6526,  
101.5896

■ 63.2437, 83.6679,  
104.4907

■ 52.7609, 78.3312,  
100.9551

■ 67.9679, 86.0897,  
105.3280

■ 52.6329, 78.2692,  
100.7716

■ 73.7392, 89.0512,  
106.2168

■ 80.6164, 92.5828,  
107.1597

■ 88.6540, 96.7125,  
108.1593

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.



56.9476, 80.3069, 70.4114



56.6715, 80.3069, 102.9564



61.2688, 80.3069, 138.8212

# Triad

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



56.6715, 80.3069, 102.9564



92.6264, 80.3069, 142.4319



82.8889, 80.3069, 39.5218

# Complementary

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



56.6715, 80.3069, 102.9564



46.2147, 28.3237, 12.4843

# 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.



93.6753, 80.3069, 50.6181



56.6715, 80.3069, 102.9564



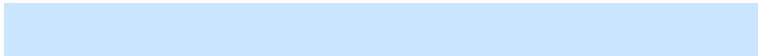
99.6743, 80.3069, 107.0153

# Square

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



56.6715, 80.3069, 102.9564



81.5704, 80.3069, 165.2027



100.0765, 80.3069, 73.5676



71.3177, 80.3069, 38.9575



# Rectangle

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



56.6715, 80.3069, 102.9564



66.7758, 80.3069, 157.5857



100.0765, 80.3069, 73.5676



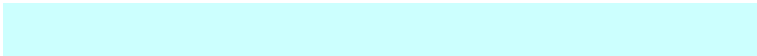
86.7531, 80.3069, 41.9859

# Sweetspot

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



56.6727, 80.3075, 102.9579



78.4727, 91.4817, 106.8762



41.5490, 74.3194, 20.5449



16.3783, 19.3662, 22.8190



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.



56.6727, 80.3075, 102.9579



54.2299, 79.0657, 102.0557



37.0770, 39.8451, 100.3444



18.5306, 20.4718, 23.0970



27.5121, 40.9014, 52.7096



2.6857, 3.9852, 5.1688



# Inverse Universe

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



46.2147, 28.3237, 12.4843



43.1614, 23.9227, 6.2088



56.0813, 48.3816, 14.7724



18.0309, 17.9957, 18.7799



21.5794, 11.1211, 1.1698

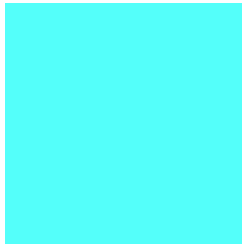


2.1083, 1.0857, 0.1520



# Previews

## White Background



This preview shows how the XYZ color 56.6715, 80.3069, 102.9564 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

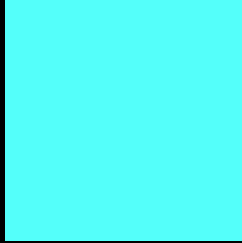
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 56.6715, 80.3069, 102.9564 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

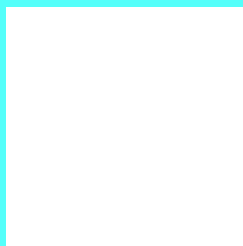
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 56.6715, 80.3069, 102.9564

## Background



This preview shows how black text looks on a background with the XYZ color 56.6715, 80.3069, 102.9564.



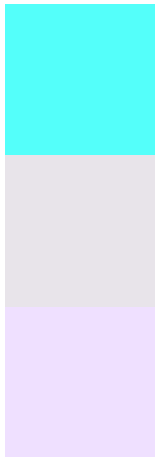
This preview shows how white text looks on a background with the XYZ color 56.6715, 80.3069,



# 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

56.6715, 80.3069, 102.9564

### Protanopia

75.8734, 78.5831, 89.0110

### Deuteranopia

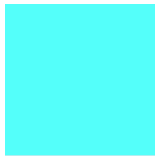
80.3023, 78.8820, 105.6011



## Tritanopia

66.4628, 79.7562, 106.4993

# Trichromacy



## Original Color

56.6715, 80.3069, 102.9564



## Protanomaly

64.6628, 76.9053, 93.8742



## Deuteranomaly

66.9664, 76.5758, 104.1796



## Tritanomaly

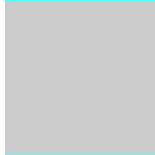
61.4716, 79.0167, 104.9403

# Monochromacy



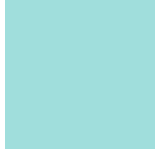
## Original Color

56.6715, 80.3069, 102.9564



## Achromatopsia

56.7640, 59.7202, 65.0353



## Achromatomaly

53.5367, 64.8834, 77.4122

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 56.6715, 80.3069, 102.9564 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(84, 255, 250)` looks like.

```
.text, #text, p{  
    color:rgb(84, 255, 250)  
}
```

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(84, 255, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 255, 250) }
```

## Border

The CSS property to change the border of an element to XYZ 56.6715, 80.3069, 102.9564 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(84, 255, 250) }
```



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

```
.border{ border-color:rgb(84, 255, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(84, 255, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 255, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 255, 250);  
box-shadow:4px 4px 4px 4px rgb(84, 255,  
250) }
```

# Background

The CSS property to change the background color of an element to XYZ 56.6715, 80.3069, 102.9564 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 255, 250) }
```

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

```
.background{ background-color: rgb(84, 255,  
250) }
```

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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