

# Converting Colors

XYZ(56.5034, 81.1219, 62.2130)

Have a look what the booklet for  
XYZ(56.5034, 81.1219, 62.2130)  
contains.

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# Color

**XYZ(56.4917, 81.1212,  
61.9708)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8FFFBF
RGB	143, 255, 191
RGB Percent	56%, 100%, 75%
CMY	0.4392, 0.0000, 0.2510
CMYK	0.44, 0.00, 0.25, 0.00
HSL	146°, 100%, 78%
HSV	146°, 44%, 100%
XYZ	56.4917, 81.1212, 61.9708
YIQ	214.2160, -46.2080, -43.6480

# Conversions

## Conversions Part 2

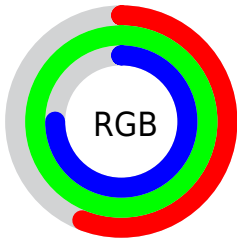
<b>Format</b>	<b>Color</b>
<b>RYB</b>	143, 221, 255
Decimal	9437119
CIELab	92.19, -45.93, 20.78
CIELCh	92, 50.411, 155.653
Yxy	81.1212, 0.2830, 0.4065
Android (android.graphics.Color)	4287627199 (0xFF8FFBF)
YUV	214.2160, -11.4455, -62.4564
Hunter-Lab	90.0673, -45.6596, 22.2526

# Details

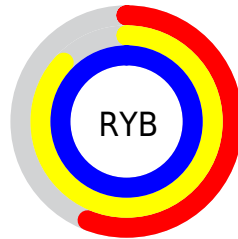
The XYZ color **56.4917, 81.1212, 61.9708** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **62.3254, 45.4107, 64.5119**, and the grayscale version is **64.1589, 67.5001, 73.5077**.

A 20% lighter version of the original color is **76.7907, 90.7148, 102.2693**, and **28.4558, 44.1256, 30.6842** is the 20% darker color. If you saturate the color by 10%, you get **51.0431, 78.4885, 53.7579**, and if you desaturate by 10%, it is **63.1045, 84.3356, 71.0737**.

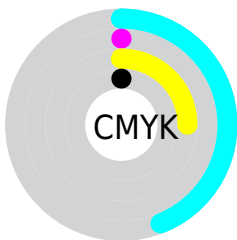
# Distribution



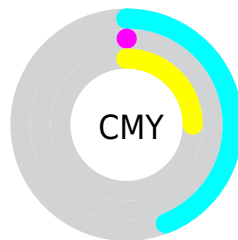
- Red (56%)
- Green (100%)
- Blue (75%)



- Red (56%)
- Yellow (87%)
- Blue (100%)



- Cyan (44%)
- Magenta (0%)
- Yellow (25%)
- Black (0%)




- Cyan (44%)
- Magenta (0%)
- Yellow (25%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 56.4917, 81.1212, 61.9708 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 56.4917, 81.1212, 61.9708 by changing the saturation by 10% instead.





 56.4917, 81.1212,  
61.9708


 56.4917, 81.1212,  
61.9708


401.5869,  
498.7034, 449.8293

 40.8358, 60.6414,  
44.5735


 98.8588, 134.9409,  
109.2545

 28.3779, 43.9358,  
30.7811


 126.3007,  
169.0497, 139.9780

 18.7527, 30.6201,  
20.1752


158.4020,  
208.4702, 175.9806

 11.5946, 20.3097,  
12.3371

195.5281,  
253.5869, 217.6808

 6.5385, 12.6204,  
6.8484

238.0442,  
304.7842, 265.4973

 3.2190, 7.1677,  
3.2904


286.3159,


 1.2706, 3.5672,


362.4464, 319.8485


1.2448


340.7083,  
426.9580, 381.1530


 0.1610, 1.4345,  
0.0159


 0.0000, 0.2420,  
0.0000


 56.4917, 81.1212,  
61.9708


 56.4917, 81.1212,  
61.9708


 51.0431, 78.4885,  
53.7579


 63.1045, 84.3356,  
71.0737


 46.6830, 76.3991,  
46.4032

 70.9463, 88.1647,  
81.0890

 43.3299, 74.8114,  
39.8790

 80.0793, 92.6399,  
92.0430

 40.8887, 73.6771,  
34.1541

 90.5609, 97.7905,  
103.9600

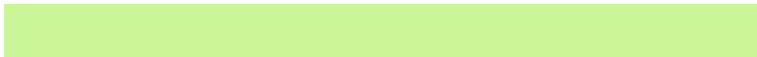
■ 39.2440, 72.9373, 95.0500, 100.0000,  
29.1951 108.9000

■ 38.5358, 72.6303,  
26.5373

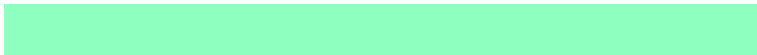
# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



63.4273, 81.1212, 41.9799



56.4917, 81.1212, 61.9708



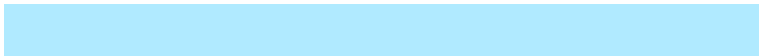
54.8003, 81.1212, 95.5709

# Triad

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



56.4917, 81.1212, 61.9708



79.5927, 81.1212, 180.4777



99.2589, 81.1212, 52.8155

# Complementary

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



56.4917, 81.1212, 61.9708



62.3254, 45.4107, 64.5119

# 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.



104.7601, 81.1212, 81.4591



56.4917, 81.1212, 61.9708



92.6160, 81.1212, 160.2323

# Square

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



56.4917, 81.1212, 61.9708



67.2471, 81.1212, 170.9556



102.2024, 81.1212, 121.2625

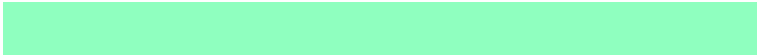


87.8783, 81.1212, 37.8286



# Rectangle

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



56.4917, 81.1212, 61.9708



56.6877, 81.1212, 123.0992



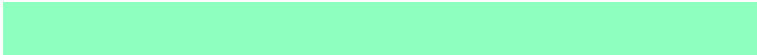
102.2024, 81.1212, 121.2625



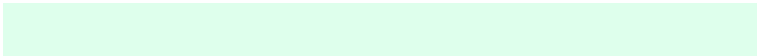
101.9120, 81.1212, 60.8100

# Sweetspot

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



56.4924, 81.1216, 61.9721



80.9869, 93.0854, 93.0994



66.8247, 86.9617, 39.2509



16.8728, 19.6975, 19.3879



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

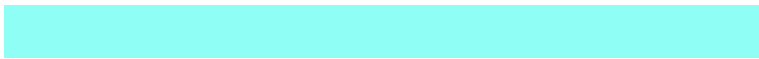
The Same Dimension uses a secret algorithm to generate beautiful new colors.



56.4924, 81.1216, 61.9721



51.4980, 78.7076, 54.4776



63.6716, 83.9933, 99.7774



18.0947, 20.2974, 20.8017



20.2071, 37.9794, 14.2415



2.0209, 3.7193, 1.6679



# Inverse Universe

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



62.3254, 45.4107, 64.5119



58.0254, 38.6917, 57.2799



56.7579, 43.1837, 35.1940



18.4444, 18.1611, 20.9572



24.3244, 12.2191, 15.6248

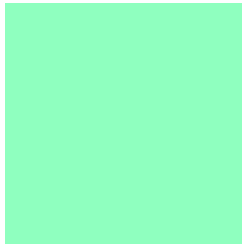


2.4231, 1.2116, 1.8097



# Previews

## White Background



This preview shows how the XYZ color 56.4917, 81.1212, 61.9708 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

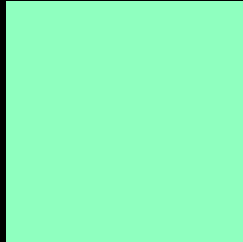
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 56.4917, 81.1212, 61.9708 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 56.4917, 81.1212, 61.9708**

## **Background**



This preview shows how black text looks on a background with the XYZ color 56.4917, 81.1212, 61.9708.



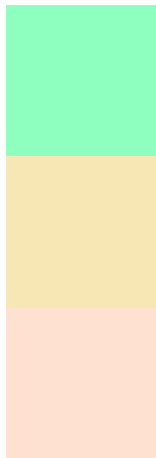
This preview shows how white text looks on a background with the XYZ color 56.4917, 81.1212,

61.9708.

# 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

56.4917, 81.1212, 61.9708

### Protanopia

74.8202, 80.0399, 54.6858

### Deuteranopia

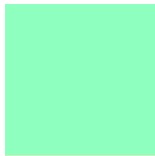
79.6738, 79.7139, 71.5087



## Tritanopia

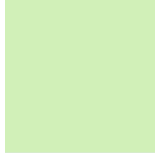
69.7550, 80.5697, 106.4828

# Trichromacy



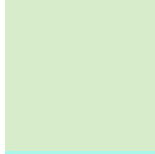
## Original Color

56.4917, 81.1212, 61.9708



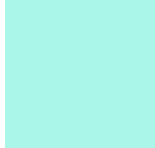
## Protanomaly

66.1063, 79.3362, 57.1766



## Deuteranomaly

68.3877, 78.5513, 67.4346



## Tritanomaly

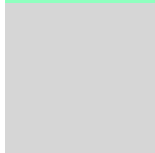
64.0988, 80.2838, 88.4619

# Monochromacy



## Original Color

56.4917, 81.1212, 61.9708



## Achromatopsia

63.9157, 67.2443, 73.2291



## Achromatomaly

59.8989, 71.1862, 68.9758

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 56.4917, 81.1212, 61.9708 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(143, 255, 191)` looks like.

```
.text, #text, p{  
    color:rgb(143, 255, 191)  
}
```

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(143, 255, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 255, 191) }
```

## Border

The CSS property to change the border of an element to XYZ 56.4917, 81.1212, 61.9708 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(143, 255, 191) }
```



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

```
.border{ border-color:rgb(143, 255, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(143, 255, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(143, 255, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(143, 255, 191);  
box-shadow:4px 4px 4px 4px rgb(143, 255,  
191) }
```

# Background

The CSS property to change the background color of an element to XYZ 56.4917, 81.1212, 61.9708 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 255, 191) }
```

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

```
.background{ background-color: rgb(143,  
255, 191) }
```

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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