

# Converting Colors

XYZ(59.5588, 85.0700, 69.2418)

Have a look what the booklet for  
XYZ(59.5588, 85.0700, 69.2418)  
contains.

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# Color

**XYZ(57.9223, 81.7136,  
68.5966)**

# Conversions

## Conversions Part 1

Format	Color
Hex	90FFCA
RGB	144, 255, 202
RGB Percent	56%, 100%, 79%
CMY	0.4353, 0.0000, 0.2078
CMYK	0.44, 0.00, 0.21, 0.00
HSL	151°, 100%, 78%
HSV	151°, 44%, 100%
XYZ	57.9223, 81.7136, 68.5966
YIQ	215.7690, -49.1430, -40.0150

# Conversions

## Conversions Part 2

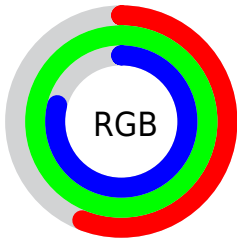
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">144, 217, 255</a>
Decimal	<a href="#">9502666</a>
CIELab	<a href="#">92.45, -43.54, 15.53</a>
CIELCh	<a href="#">92, 46.227, 160.373</a>
Yxy	<a href="#">81.7136, 0.2782, 0.3924</a>
Android (android.graphics.Color)	<a href="#">4287692746 (0xFF90FFCA)</a>
YUV	<a href="#">215.7690, -6.7881, -62.9414</a>
Hunter-Lab	<a href="#">90.3956, -43.8157, 18.2847</a>

# Details

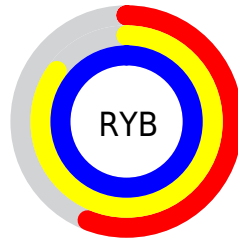
The XYZ color **57.9223, 81.7136, 68.5966** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **61.2918, 45.2386, 58.3252**, and the grayscale version is **65.1817, 68.5762, 74.6795**.

A 20% lighter version of the original color is **78.1671, 91.2966, 108.1099**, and **29.3771, 44.5047, 35.0589** is the 20% darker color. If you saturate the color by 10%, you get **52.5750, 79.1170, 61.1161**, and if you desaturate by 10%, it is **64.3906, 84.8749, 76.7261**.

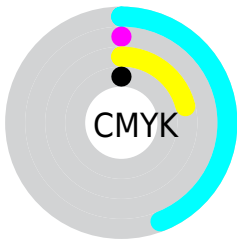
# Distribution



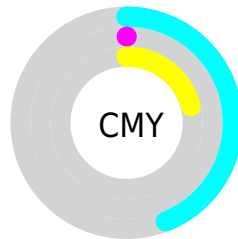
- Red (56%)
- Green (100%)
- Blue (79%)



- Red (56%)
- Yellow (85%)
- Blue (100%)



- Cyan (44%)
- Magenta (0%)
- Yellow (21%)
- Black (0%)




- Cyan (44%)
- Magenta (0%)
- Yellow (21%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 57.9223, 81.7136, 68.5966 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 57.9223, 81.7136, 68.5966 by changing the saturation by 10% instead.





 57.9223, 81.7136,  
68.5966


 57.9223, 81.7136,  
68.5966


406.8549,  
500.6892, 474.2623

 41.9892, 61.1295,  
49.9135


 100.9333,  
135.7723, 118.8675

 29.2839, 44.3297,  
34.9740


 128.7419,  
170.0157, 151.2924

 19.4411, 30.9298,  
23.3595


161.2398,  
209.5809, 189.1350

 12.0953, 20.5454,  
14.6514

198.7922,  
254.8525, 232.8138

 6.8813, 12.7921,  
8.4312

241.7646,  
306.2147, 282.7474

 3.4336, 7.2855,  
4.2804


290.5223,


 1.3870, 3.6413,


364.0519, 339.3543


1.7804


345.4306,  
428.7486, 403.0531


 0.2469, 1.4750,  
0.4150


 0.0000, 0.2710,  
0.0000


 57.9223, 81.7136,  
68.5966


 57.9223, 81.7136,  
68.5966


 52.5750, 79.1170,  
61.1161


 64.3906, 84.8749,  
76.7261


 48.2754, 77.0477,  
54.2634

 72.0424, 88.6329,  
85.5166

 44.9443, 75.4651,  
48.0222

 80.9380, 93.0184,  
94.9852

 42.4896, 74.3221,  
42.3734

 91.1330, 98.0597,  
105.1466

■ 40.7994, 73.5614,  
37.2964

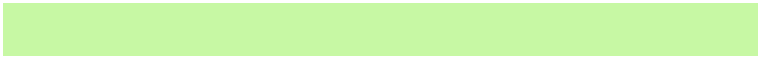
95.0500, 100.0000,  
108.9000

■ 40.0106, 73.2202,  
34.3034

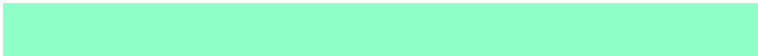
# Harmonies

## Analogous

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



63.6766, 81.7136, 47.5733



57.9223, 81.7136, 68.5966



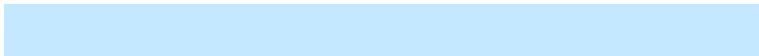
57.1347, 81.7136, 101.3908

# Triad

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



57.9223, 81.7136, 68.5966



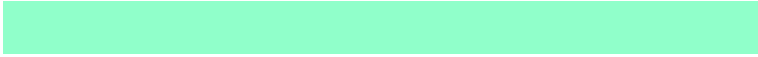
81.8894, 81.7136, 170.9478



96.5760, 81.7136, 52.7070

# Complementary

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



57.9223, 81.7136, 68.5966



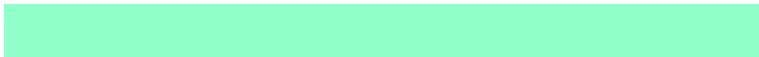
61.2918, 45.2386, 58.3252

# 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.



102.6074, 81.7136, 77.6115



57.9223, 81.7136, 68.5966



93.5682, 81.7136, 149.3089

# Square

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



57.9223, 81.7136, 68.5966



70.1811, 81.7136, 166.7245



101.4534, 81.7136, 113.0291

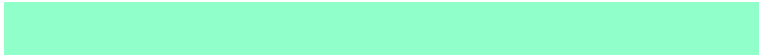


85.6657, 81.7136, 40.1673



# Rectangle

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



57.9223, 81.7136, 68.5966



59.4351, 81.7136, 126.6829



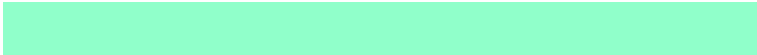
101.4534, 81.7136, 113.0291



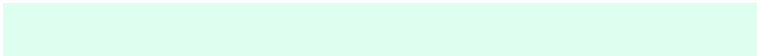
99.2897, 81.7136, 59.6034

# Sweetspot

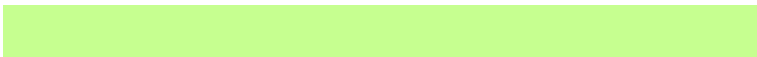
The Sweet Spot groups the original color and five complimentary colors.



57.9230, 81.7139, 68.5980



81.4437, 93.2681, 95.5045



63.9912, 85.4922, 39.5156



16.9853, 19.7425, 19.9802



0.0000, 0.0000, 0.0000

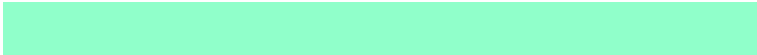


20.3446, 21.4041, 23.3091



# Same Dimension

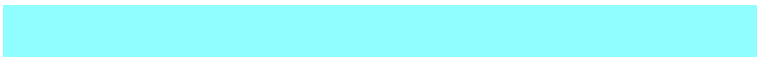
The Same Dimension uses a secret algorithm to generate beautiful new colors.



57.9230, 81.7139, 68.5980



53.3226, 79.4788, 62.2184



64.7247, 83.4949, 107.3125



18.1680, 20.3267, 21.1879



20.9824, 38.2896, 18.3246



2.0982, 3.7502, 2.0751



# Inverse Universe

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



61.2918, 45.2386, 58.3252



57.0811, 38.8105, 50.7769



56.5304, 43.7861, 31.8587



18.3706, 18.1315, 20.5685



23.4508, 11.8696, 11.0242

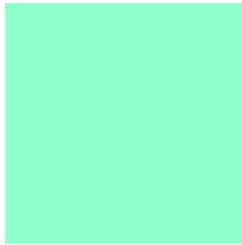


2.3381, 1.1776, 1.3619



# Previews

## White Background



This preview shows how the XYZ color 57.9223, 81.7136, 68.5966 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

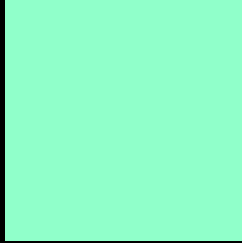
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 57.9223, 81.7136, 68.5966 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

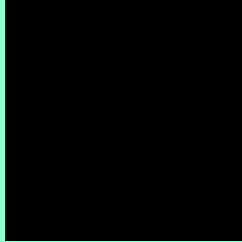
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 57.9223, 81.7136, 68.5966**

## **Background**



This preview shows how black text looks on a background with the XYZ color 57.9223, 81.7136, 68.5966.



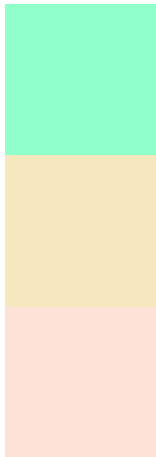
This preview shows how white text looks on a background with the XYZ color 57.9223, 81.7136,



# 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

57.9223, 81.7136, 68.5966

### Protanopia

75.5264, 80.2820, 60.2305

### Deuteranopia

80.7021, 80.5590, 75.5860



## **Tritanopia**

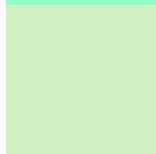
70.7884, 81.5431, 106.6162

# Trichromacy



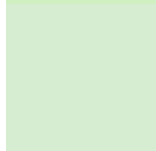
## Original Color

57.9223, 81.7136, 68.5966



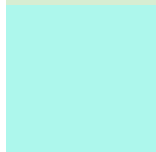
## Protanomaly

66.9101, 79.6251, 62.8816



## Deuteranomaly

69.9414, 79.6686, 72.6640



## Tritanomaly

65.6347, 81.4619, 91.6213

# Monochromacy



## Original Color

57.9223, 81.7136, 68.5966



## Achromatopsia

65.2694, 68.6685, 74.7800



## Achromatomaly

61.2899, 72.2439, 72.3422

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 57.9223, 81.7136, 68.5966 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(144, 255, 202)` looks like.

```
.text, #text, p{  
    color:rgb(144, 255, 202)  
}
```

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(144, 255, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 255, 202) }
```

## Border

The CSS property to change the border of an element to XYZ 57.9223, 81.7136, 68.5966 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(144, 255, 202) }
```



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

```
.border{ border-color:rgb(144, 255, 202) }
```

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

Here you see how a box with a 4 pixel rgb(144, 255, 202) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 255, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 255, 202);  
box-shadow:4px 4px 4px 4px rgb(144, 255,  
202) }
```

# Background

The CSS property to change the background color of an element to XYZ 57.9223, 81.7136, 68.5966 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 255, 202) }
```

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

```
.background{ background-color: rgb(144,  
255, 202) }
```

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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