

# Converting Colors

XYZ(58.2273, 79.6887,  
104.4560)

Have a look what the booklet for  
XYZ(58.2273, 79.6887, 104.4560)  
contains.

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# Color

**XYZ(58.2068, 79.6523,  
104.4021)**

# Conversions

## Conversions Part 1

Format	Color
Hex	69FCFC
RGB	105, 252, 252
RGB Percent	41%, 99%, 99%
CMY	0.5882, 0.0117, 0.0118
CMYK	0.58, 0.00, 0.00, 0.01
HSL	180°, 96%, 70%
HSV	180°, 58%, 99%
XYZ	58.2068, 79.6523, 104.4021
YIQ	208.0470, -87.6120, -31.1640

# Conversions

## Conversions Part 2

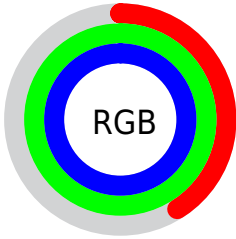
<b>Format</b>	<b>Color</b>
<b>RYB</b>	105, 179, 252
Decimal	6946044
CIELab	91.53, -38.88, -11.82
CIELCh	92, 40.642, 196.913
Yxy	79.6523, 0.2403, 0.3288
Android (android.graphics.Color)	4285136124 (0xFF69FCFC)
YUV	208.0470, 21.6688, -90.3722
Hunter-Lab	89.2481, -39.7682, -6.8835

# Details

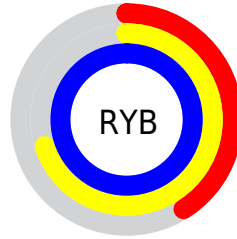
The XYZ color **58.2068, 79.6523, 104.4021** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **47.7490, 31.8210, 16.9927**, and the grayscale version is **59.8918, 63.0108, 68.6188**.

A 20% lighter version of the original color is **70.1722, 87.1750, 107.7357**, and **29.4405, 43.0091, 58.3797** is the 20% darker color. If you saturate the color by 10%, you get **55.6745, 78.3487, 104.2851**, and if you desaturate by 10%, it is **61.6205, 81.4139, 104.5639**.

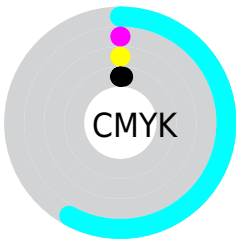
# Distribution



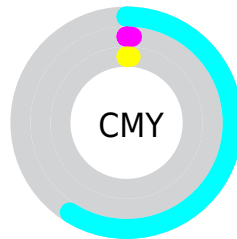
- Red (41%)
- Green (99%)
- Blue (99%)



- Red (41%)
- Yellow (70%)
- Blue (99%)



- Cyan (58%)
- Magenta (0%)
- Yellow (0%)
- Black (1%)



- Cyan (59%)
- Magenta (1%)
- Yellow (1%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 58.2068, 79.6523, 104.4021 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 58.2068, 79.6523, 104.4021 by changing the saturation by 10% instead.



58.2068, 79.6523,  
104.4021

58.2068, 79.6523,  
104.4021

407.8975,  
493.7603, 595.5827

42.2188, 59.4323,  
79.3447

101.3452,  
132.8768, 169.2981

29.4645, 42.9612,  
58.6563

129.2263,  
166.6500, 209.9737

19.5786, 29.8547,  
41.9183

161.8025,  
205.7098, 256.6925

12.1956, 19.7283,  
28.7122

199.4392,  
250.4405, 309.8730

6.9501, 12.1977,  
18.6195

242.5017,  
301.2265, 369.9337

3.4770, 6.8785,  
11.2217

291.3553,

1.4107, 3.3862,

358.4522, 437.2932

6.1001

346.3655,  
422.5020, 512.3700

■ 0.2639, 1.3365,  
2.8363

■ 0.0000, 0.1692,  
1.0116

■ 58.2068, 79.6523,  
104.4021

■ 58.2068, 79.6523,  
104.4021

■ 55.6745, 78.3487,  
104.2851

■ 61.6205, 81.4139,  
104.5639

■ 53.9366, 77.4527,  
104.2034

■ 65.9788, 83.6607,  
104.7682

■ 52.9007, 76.9187,  
104.1547

■ 71.3472, 86.4282,  
105.0197

■ 52.4350, 76.6787,  
104.1326

■ 77.7835, 89.7462,  
105.3212

■ 52.3823, 76.6515,  
104.1301

■ 85.3410, 93.6423,  
105.6752

■ 93.6229, 97.9117,  
106.0631

■ 93.6230, 97.9118,  
106.0634

■ 93.6230, 97.9118,  
106.0637

■ 93.6231, 97.9118,  
106.0640

# Harmonies

## Analogous

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



57.9184, 79.6523, 74.4438



58.2068, 79.6523, 104.4021



62.9014, 79.6523, 135.4079

# Triad

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



58.2068, 79.6523, 104.4021



91.2033, 79.6523, 131.8155



80.3066, 79.6523, 42.1905

# Complementary

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



58.2068, 79.6523, 104.4021



47.7490, 31.8210, 16.9927

# 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.



90.1427, 79.6523, 51.3857



58.2068, 79.6523, 104.4021



96.8095, 79.6523, 100.2939

# Square

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



58.2068, 79.6523, 104.4021



81.6502, 79.6523, 153.5428



96.4045, 79.6523, 71.1701



70.0597, 79.6523, 42.8032



# Rectangle

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



58.2068, 79.6523, 104.4021



68.1632, 79.6523, 150.4889



96.4045, 79.6523, 71.1701



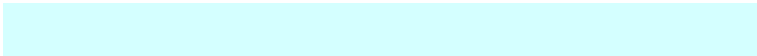
83.7880, 79.6523, 44.1286

# Sweetspot

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



58.2092, 79.6553, 104.4040



80.8605, 92.6850, 108.2354



43.4804, 73.7976, 25.3194



16.9970, 19.6784, 23.1523



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.



58.2092, 79.6553, 104.4040



56.8300, 80.2969, 107.1092



39.9128, 43.0620, 98.3068



17.7659, 19.6086, 22.2337



27.2856, 39.9272, 54.2407



2.5271, 3.6980, 5.0236



# Inverse Universe

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



47.7490, 31.8210, 16.9927



45.1811, 27.0269, 9.7648



58.2328, 52.7888, 20.4868



17.2447, 17.2252, 17.8784



20.9119, 10.7805, 0.9787

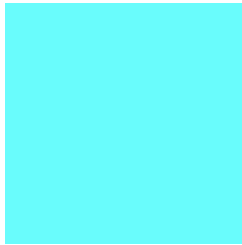


1.9368, 0.9985, 0.0907



# Previews

## White Background



This preview shows how the XYZ color 58.2068, 79.6523, 104.4021 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

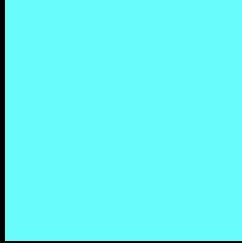
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 58.2068, 79.6523, 104.4021 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

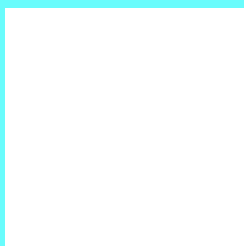
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 58.2068, 79.6523, 104.4021

## Background



This preview shows how black text looks on a background with the XYZ color 58.2068, 79.6523, 104.4021.



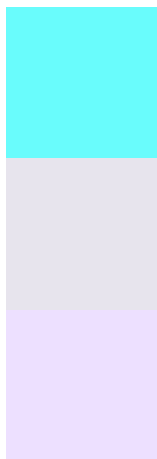
This preview shows how white text looks on a background with the XYZ color 58.2068, 79.6523,



# 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

58.2068, 79.6523, 104.4021

### Protanopia

75.9845, 78.5902, 91.2854

### Deuteranopia

79.6307, 78.5358, 105.5697



## Tritanopia

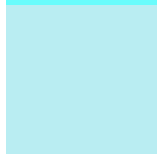
66.1643, 79.1593, 106.3998

# Trichromacy



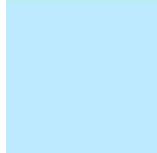
## Original Color

58.2068, 79.6523, 104.4021



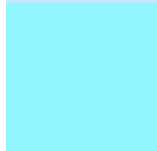
## Protanomaly

66.3188, 77.2935, 95.4282



## Deuteranomaly

68.2985, 76.8202, 104.9940



## Tritanomaly

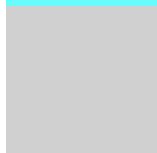
62.6992, 79.1783, 105.7443

# Monochromacy



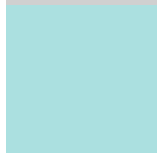
## Original Color

58.2068, 79.6523, 104.4021



## Achromatopsia

59.9535, 63.0757, 68.6895



## Achromatomaly

56.9048, 67.3511, 80.5219

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 58.2068, 79.6523, 104.4021 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(105, 252, 252)` looks like.

```
.text, #text, p{  
    color:rgb(105, 252, 252)  
}
```

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(105, 252, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 252, 252) }
```

## Border

The CSS property to change the border of an element to XYZ 58.2068, 79.6523, 104.4021 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(105, 252, 252) }
```



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

```
.border{ border-color:rgb(105, 252, 252) }
```

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

Here you see how a box with a 4 pixel rgb(105, 252, 252) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 252, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 252, 252);  
box-shadow:4px 4px 4px 4px rgb(105, 252,  
252) }
```

# Background

The CSS property to change the background color of an element to XYZ 58.2068, 79.6523, 104.4021 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 252, 252) }
```

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

```
.background{ background-color: rgb(105,  
252, 252) }
```

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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