

# Converting Colors

XYZ(51.5098, 78.1688, 79.0927)

Have a look what the booklet for  
XYZ(51.5098, 78.1688, 79.0927)  
contains.

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# Color

**XYZ(51.6068, 78.2123,  
79.3944)**

# Conversions

## Conversions Part 1

Format	Color
Hex	4DFFDB
RGB	77, 255, 219
RGB Percent	30%, 100%, 86%
CMY	0.6980, 0.0000, 0.1412
CMYK	0.70, 0.00, 0.14, 0.00
HSL	168°, 100%, 65%
HSV	168°, 70%, 100%
XYZ	51.6068, 78.2123, 79.3944
YIQ	197.6740, -94.5320, -48.9320

# Conversions

## Conversions Part 2

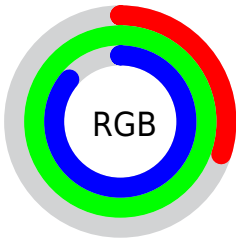
Format	Color
<a href="#">RYB</a>	<a href="#">77, 176, 255</a>
Decimal	<a href="#">5111771</a>
CIELab	<a href="#">90.88, -52.77, 4.26</a>
CIELCh	<a href="#">91, 52.941, 175.389</a>
Yxy	<a href="#">78.2123, 0.2467, 0.3738</a>
Android (android.graphics.Color)	<a href="#">4283301851</a> ( <a href="#">0xFF4DFFDB</a> )
YUV	<a href="#">197.6740, 10.5137, -105.8311</a>
Hunter-Lab	<a href="#">88.4377, -50.6044, 8.6792</a>

# Details

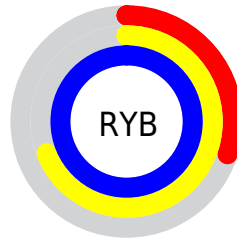
The XYZ color **51.6068, 78.2123, 79.3944** is a light color, and the websafe version is hex **66FFCC**. The color can be described as light washed cyan. A complement of this color would be **46.8755, 27.7613, 18.5125**, and the grayscale version is **53.4590, 56.2431, 61.2487**.

A 20% lighter version of the original color is **65.8426, 84.9430, 107.5331**, and **26.6671, 42.6128, 41.9416** is the 20% darker color. If you saturate the color by 10%, you get **49.2688, 77.0842, 75.7965**, and if you desaturate by 10%, it is **54.7735, 79.7650, 83.1437**.

# Distribution



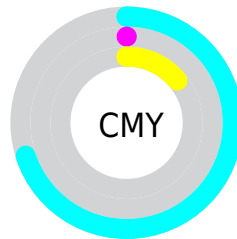
- Red (30%)
- Green (100%)
- Blue (86%)



- Red (30%)
- Yellow (69%)
- Blue (100%)



- Cyan (70%)
- Magenta (0%)
- Yellow (14%)
- Black (0%)




- Cyan (70%)
- Magenta (0%)
- Yellow (14%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 51.6068, 78.2123, 79.3944 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 51.6068, 78.2123, 79.3944 by changing the saturation by 10% instead.





 51.6068, 78.2123,  
79.3944


 51.6068, 78.2123,  
79.3944


383.2657,  
488.8875, 512.5424


 36.9148, 58.2484,  
58.6969


 91.7288, 130.8494,  
134.3176


 25.3149, 42.0084,  
41.9508


 117.8894,  
164.2913, 169.3805

 16.4418, 29.1078,  
28.7375


 148.6036,  
202.9947, 210.0688

 9.9301, 19.1624,  
18.6384

 184.2367,  
247.3440, 256.8013

 5.4146, 11.7877,  
11.2352

225.1542,  
297.7235, 309.9963

 2.5297, 6.5993,  
6.1091

271.7212,

 0.9103, 3.2128,

354.5177, 370.0725

2.8417

324.3033,  
418.1109, 437.4483

■ 0.0000, 1.2438,  
1.0144

■ 0.0000, 0.0971,  
0.0000

■ 51.6068, 78.2123,  
79.3944

■ 51.6068, 78.2123,  
79.3944

■ 49.2688, 77.0842,  
75.7965

■ 54.7735, 79.7650,  
83.1437

■ 47.6562, 76.3277,  
72.3400

■ 58.8505, 81.7847,  
87.0450

■ 46.6092, 75.8604,  
69.0178

■ 63.9125, 84.3097,  
91.1041

■ 46.5905, 75.8522,  
68.9527

■ 70.0258, 87.3741,  
95.3251

■ 77.2506, 91.0090,  
99.7118

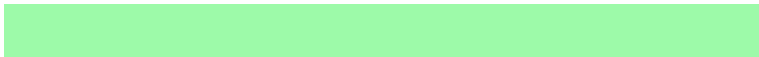
■ 85.6426, 95.2431,  
104.2676

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.



55.1772, 78.2123, 49.9020



51.6068, 78.2123, 79.3944



53.5053, 78.2123, 120.6668

# Triad

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



51.6068, 78.2123, 79.3944



85.8776, 78.2123, 170.1712



89.8668, 78.2123, 37.9083

# Complementary

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



51.6068, 78.2123, 79.3944



46.8755, 27.7613, 18.5125

# 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.



99.9794, 78.2123, 57.4064



51.6068, 78.2123, 79.3944



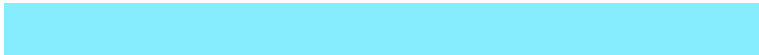
97.4899, 78.2123, 134.0249

# Square

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



51.6068, 78.2123, 79.3944



72.2971, 78.2123, 181.2740



102.9227, 78.2123, 91.1980



76.4179, 78.2123, 30.9492



# Rectangle

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



51.6068, 78.2123, 79.3944



57.7529, 78.2123, 148.8284



102.9227, 78.2123, 91.1980



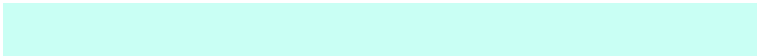
93.8293, 78.2123, 42.8657

# Sweetspot

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



51.6077, 78.2127, 79.3958



76.3235, 90.5419, 99.1768



44.2457, 75.7398, 19.3100



15.8931, 19.1565, 20.9663



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.



51.6077, 78.2127, 79.3958



48.5097, 76.7246, 74.3279



42.8396, 52.2549, 102.4361



18.3882, 20.4148, 22.3470



24.3997, 39.6565, 36.3198



2.4137, 3.8764, 3.7365



# Inverse Universe

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



46.8755, 27.7613, 18.5125



43.6310, 23.4741, 10.6437



50.2261, 37.0884, 11.5343



18.1596, 18.0471, 19.4574



21.9097, 11.2532, 2.9090

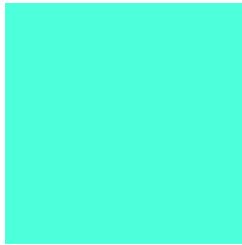


2.1701, 1.1104, 0.4771



# Previews

## White Background



This preview shows how the XYZ color 51.6068, 78.2123, 79.3944 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

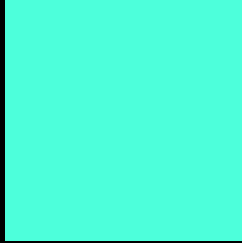
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 51.6068, 78.2123, 79.3944 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

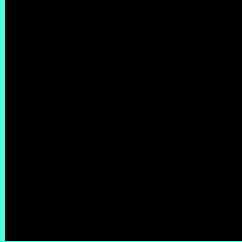
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 51.6068, 78.2123, 79.3944

## Background



This preview shows how black text looks on a background with the XYZ color 51.6068, 78.2123, 79.3944.



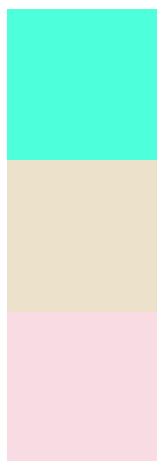
This preview shows how white text looks on a background with the XYZ color 51.6068, 78.2123,



# 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

51.6068, 78.2123, 79.3944

### Protanopia

72.6875, 76.5852, 68.0781

### Deuteranopia

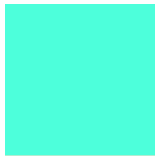
78.5252, 76.8722, 83.3721



## Tritanopia

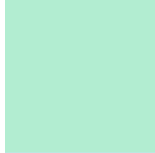
63.6058, 77.3997, 106.1950

# Trichromacy



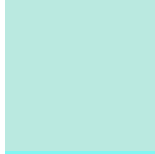
## Original Color

51.6068, 78.2123, 79.3944



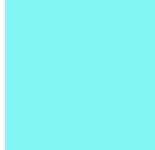
## Protanomaly

60.1529, 74.6368, 71.5576



## Deuteranomaly

62.8432, 74.0987, 81.5113



## Tritanomaly

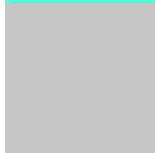
58.0360, 76.9895, 95.8060

# Monochromacy



## Original Color

51.6068, 78.2123, 79.3944



## Achromatopsia

53.6758, 56.4712, 61.4971



## Achromatomaly

49.7985, 61.9893, 67.7330

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 51.6068, 78.2123, 79.3944 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(77, 255, 219)` looks like.

```
.text, #text, p{  
    color:rgb(77, 255, 219)  
}
```

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(77, 255, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 255, 219) }
```

## Border

The CSS property to change the border of an element to XYZ 51.6068, 78.2123, 79.3944 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(77, 255, 219) }
```



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

```
.border{ border-color:rgb(77, 255, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 255, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 255, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 255, 219);  
box-shadow:4px 4px 4px 4px rgb(77, 255,  
219) }
```

# Background

The CSS property to change the background color of an element to XYZ 51.6068, 78.2123, 79.3944 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 255, 219) }
```

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

```
.background{ background-color: rgb(77, 255,  
219) }
```

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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