

# Converting Colors

XYZ(51.1132, 70.3733, 92.5390)

Have a look what the booklet for  
XYZ(51.1132, 70.3733, 92.5390)  
contains.

<b>XYZ(51.1658, 70.3979, 92.5528)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(51.1658, 70.3979,  
92.5528)**

# Conversions

## Conversions Part 1

Format	Color
Hex	5FEFEF
RGB	95, 239, 239
RGB Percent	37%, 94%, 94%
CMY	0.6274, 0.0627, 0.0627
CMYK	0.60, 0.00, 0.00, 0.06
HSL	180°, 82%, 65%
HSV	180°, 60%, 94%
XYZ	51.1658, 70.3979, 92.5528
YIQ	195.9440, -85.8240, -30.5280

# Conversions

## Conversions Part 2

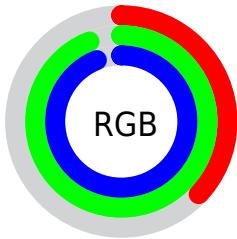
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	95, 167, 239
Decimal	6287343
CIE Lab	87.19, -38.05, -11.54
CIE LCh	87, 39.762, 196.869
Yxy	70.3979, 0.2390, 0.3288
Android (android.graphics.Color)	4284477423 (0xFF5FEFEF)
YUV	195.9440, 21.2266, -88.5279
Hunter-Lab	83.9035, -37.9786, -6.6696

# Details

The XYZ color **51.1658, 70.3979, 92.5528** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light muted cyan. A complement of this color would be **41.7567, 27.3635, 13.9096**, and the grayscale version is **52.3516, 55.0780, 59.9799**.

A 20% lighter version of the original color is **68.1081, 86.1109, 107.6391**, and **25.2752, 36.8748, 50.5852** is the 20% darker color. If you saturate the color by 10%, you get **49.0542, 69.3109, 92.4553**, and if you desaturate by 10%, it is **54.0430, 71.8827, 92.6893**.

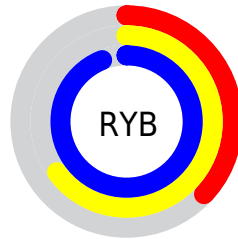
# Distribution



Red (37%)

Green (94%)

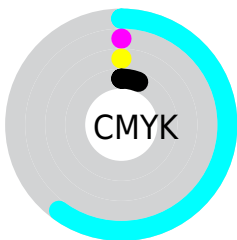
Blue (94%)



Red (37%)

Yellow (65%)

Blue (94%)

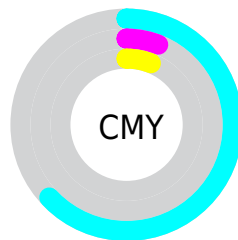


Cyan (60%)

Magenta (0%)

Yellow (0%)

Black (6%)



Cyan (63%)

Magenta (6%)


Yellow (6%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 51.1658, 70.3979, 92.5528 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 51.1658, 70.3979, 92.5528 by changing the saturation by 10% instead.





 51.1658, 70.3979,  
92.5528


 51.1658, 70.3979,  
92.5528


381.5847,  
461.9459, 557.0834


 36.5622, 51.8510,  
69.5143


 91.0813, 119.7760,  
152.8457

 25.0408, 36.8863,  
50.6563


 117.1239,  
151.3760, 190.9371

 16.2363, 25.1195,  
35.5603


 147.7102,  
188.0958, 234.8832

 9.7835, 16.1661,  
23.8078

183.2056,  
230.3198, 285.1026

 5.3168, 9.6418,  
14.9802

223.9754,  
278.4324, 342.0138

 2.4710, 5.1621,  
8.6590

270.3849,

 0.8806, 2.3427,

332.8181, 406.0353

4.4257

322.7995,  
393.8611, 477.5856

■ 0.0000, 0.7962,  
1.8617

■ 0.0000, 0.0000,  
0.4682

■ 51.1658, 70.3979,  
92.5528

■ 51.1658, 70.3979,  
92.5528

■ 49.0542, 69.3109,  
92.4553

■ 54.0430, 71.8827,  
92.6893

■ 47.6296, 68.5765,  
92.3883


■ 57.7424, 73.7899,  
92.8627


■ 46.8081, 68.1530,  
92.3496


■ 62.3228, 76.1511,  
93.0773


■ 46.4476, 67.9672,  
92.3325


■ 67.8357, 78.9931,  
93.3356

 74.3285, 82.3403,  
93.6397

 81.8457, 86.2155,  
93.9918

 87.6882, 89.2274,  
94.2655

 87.6882, 89.2274,  
94.2657

 87.6883, 89.2275,  
94.2660

# Harmonies

## Analogous

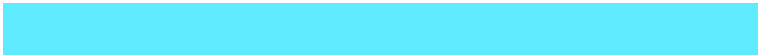
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



50.9129, 70.3979, 65.5591



51.1658, 70.3979, 92.5528



55.3775, 70.3979, 120.6068

# Triad

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



51.1658, 70.3979, 92.5528



80.8800, 70.3979, 117.4282



71.0710, 70.3979, 36.7055

# Complementary

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



51.1658, 70.3979, 92.5528



41.7567, 27.3635, 13.9096

# 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.



79.9443, 70.3979, 44.9303



51.1658, 70.3979, 92.5528



85.9521, 70.3979, 88.9291

# Square

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



51.1658, 70.3979, 92.5528



72.2547, 70.3979, 137.1003



85.5946, 70.3979, 62.6843



61.8377, 70.3979, 37.2391



# Rectangle

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



51.1658, 70.3979, 92.5528



60.1065, 70.3979, 134.2906



85.5946, 70.3979, 62.6843



74.2108, 70.3979, 38.4383

# Sweetspot

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



51.1679, 70.4006, 92.5545



80.1327, 92.3099, 108.2013



37.9068, 65.1254, 21.4008



16.7124, 19.5317, 23.1390



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.



51.1679, 70.4006, 92.5545



56.4375, 80.0946, 107.0907



34.5642, 37.1926, 87.0214



16.2474, 17.9290, 20.3259



25.6671, 37.5589, 51.0232



2.1353, 3.1245, 4.2447



# Inverse Universe

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



41.7567, 27.3635, 13.9096



44.6691, 26.2776, 8.7470



51.0479, 45.9460, 17.0062



15.7729, 15.7589, 16.3602



19.6715, 10.1410, 0.9207

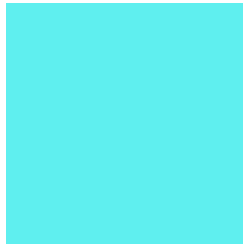


1.6365, 0.8436, 0.0766



# Previews

## White Background



This preview shows how the XYZ color 51.1658, 70.3979, 92.5528 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

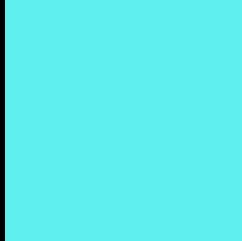
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 51.1658, 70.3979, 92.5528 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

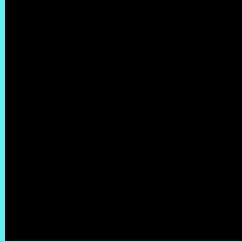
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 51.1658, 70.3979, 92.5528

## Background



This preview shows how black text looks on a background with the XYZ color 51.1658, 70.3979, 92.5528.



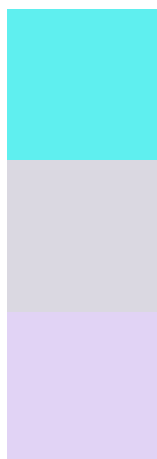
This preview shows how white text looks on a background with the XYZ color 51.1658, 70.3979,



# 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

51.1658, 70.3979, 92.5528

### Protanopia

67.0599, 69.4534, 81.1056

### Deuteranopia

70.8270, 69.1887, 96.0080



## Tritanopia

53.9893, 70.2751, 105.3267

# Trichromacy



## Original Color

51.1658, 70.3979, 92.5528



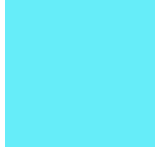
## Protanomaly

58.1722, 67.9087, 84.9046



## Deuteranomaly

60.3942, 67.6489, 94.6685



## Tritanomaly

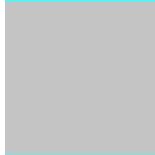
52.8626, 70.2327, 100.3927

# Monochromacy



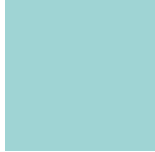
## Original Color

51.1658, 70.3979, 92.5528



## Achromatopsia

52.4687, 55.2011, 60.1140



## Achromatomaly

49.7252, 59.2114, 71.0955

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 51.1658, 70.3979, 92.5528 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(95, 239, 239)` looks like.

```
.text, #text, p{  
    color:rgb(95, 239, 239)  
}
```

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(95, 239, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(95, 239, 239) }
```

## Border

The CSS property to change the border of an element to XYZ 51.1658, 70.3979, 92.5528 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(95, 239, 239) }
```



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

```
.border{ border-color:rgb(95, 239, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(95, 239, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(95, 239, 239); -webkit-box-shadow:4px 4px 4px 4px rgb(95, 239, 239); box-shadow:4px 4px 4px 4px rgb(95, 239, 239) }
```

# Background

The CSS property to change the background color of an element to XYZ 51.1658, 70.3979, 92.5528 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(95, 239, 239) }
```

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

```
.background{ background-color: rgb(95, 239,  
239) }
```

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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