

# Converting Colors

XYZ(53.9118, 77.8027, 96.1355)

Have a look what the booklet for  
XYZ(53.9118, 77.8027, 96.1355)  
contains.

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# Color

**XYZ(53.8179, 77.5681,  
96.1400)**

# Conversions

## Conversions Part 1

Format	Color
Hex	4CFCF2
RGB	76, 252, 242
RGB Percent	30%, 99%, 95%
CMY	0.7019, 0.0117, 0.0510
CMYK	0.70, 0.00, 0.04, 0.01
HSL	177°, 97%, 64%
HSV	177°, 70%, 99%
XYZ	53.8179, 77.5681, 96.1400
YIQ	198.2360, -101.6860, -40.4220

# Conversions

## Conversions Part 2

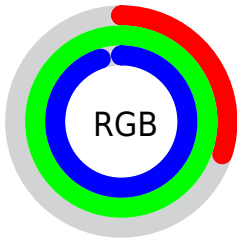
<b>Format</b>	<b>Color</b>
<b>RYB</b>	76, 167, 252
Decimal	5045490
CIELab	90.58, -45.76, -8.11
CIELCh	91, 46.470, 190.050
Yxy	77.5681, 0.2365, 0.3409
Android (android.graphics.Color)	4283235570 (0xFF4CFCF2)
YUV	198.2360, 21.5757, -107.2010
Hunter-Lab	88.0728, -45.0528, -3.0699

# Details

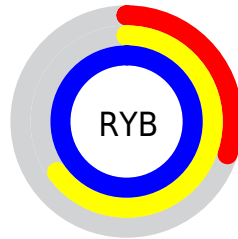
The XYZ color **53.8179, 77.5681, 96.1400** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light washed cyan. A complement of this color would be **44.4117, 26.5386, 11.5885**, and the grayscale version is **53.7400, 56.5387, 61.5706**.

A 20% lighter version of the original color is **65.8426, 84.9430, 107.5331**, and **28.3780, 42.5754, 53.1766** is the 20% darker color. If you saturate the color by 10%, you get **51.9802, 76.6473, 94.9371**, and if you desaturate by 10%, it is **56.4454, 78.8994, 97.3921**.

# Distribution



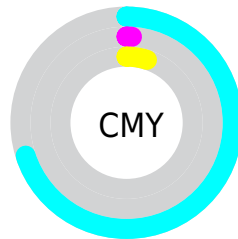
- Red (30%)
- Green (99%)
- Blue (95%)



- Red (30%)
- Yellow (65%)
- Blue (99%)



- Cyan (70%)
- Magenta (0%)
- Yellow (4%)
- Black (1%)




- Cyan (70%)
- Magenta (1%)
- Yellow (5%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 53.8179, 77.5681, 96.1400 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 53.8179, 77.5681, 96.1400 by changing the saturation by 10% instead.





 53.8179, 77.5681,  
96.1400


 53.8179, 77.5681,  
96.1400


391.6249,  
486.6988, 568.8855


 38.6862, 57.7193,  
72.4820

 94.9653, 129.9411,  
157.8477

 26.6953, 41.5830,  
53.0633


 121.7117,  
163.2340, 196.7346

 17.4799, 28.7749,  
37.4652


 153.0603,  
201.7771, 241.5348

 10.6747, 18.9106,  
25.2693

 189.3766,  
245.9548, 292.6669

 5.9142, 11.6057,  
16.0570

231.0258,  
296.1514, 350.5495

 2.8331, 6.4758,  
9.4097

278.3734,

 1.0661, 3.1365,

352.7513, 415.6011

4.9089

331.7846,  
416.1390, 488.2402

■ 0.0000, 1.2034,  
2.1361

■ 0.0000, 0.0645,  
0.6371

■ 53.8179, 77.5681,  
96.1400

■ 53.8179, 77.5681,  
96.1400

■ 51.9802, 76.6473,  
94.9371

■ 56.4454, 78.8994,  
97.3921

■ 50.8280, 76.0778,  
93.7733


■ 59.9376, 80.6746,  
98.6918


■ 50.2060, 75.7816,  
92.6431


■ 64.3683, 82.9333,  
100.0442


■ 50.1975, 75.7776,  
92.6249


■ 69.8018, 85.7089,  
101.4524

 76.2964, 89.0312,  
102.9191

 83.9061, 92.9282,  
104.4469

 92.6813, 97.4259,  
106.0382

 93.8545, 98.0044,  
107.2826

 94.0841, 98.0962,  
108.4919

# Harmonies

## Analogous

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



54.6322, 77.5681, 64.4280



53.8179, 77.5681, 96.1400



57.8919, 77.5681, 132.7593

# Triad

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



53.8179, 77.5681, 96.1400



89.0792, 77.5681, 143.6138



81.6264, 77.5681, 37.4120

# Complementary

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



53.8179, 77.5681, 96.1400



44.4117, 26.5386, 11.5885

# 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.



92.2126, 77.5681, 49.5747



53.8179, 77.5681, 96.1400



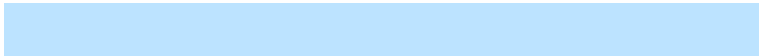
96.8193, 77.5681, 108.2617

# Square

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



53.8179, 77.5681, 96.1400



77.6995, 77.5681, 164.5632



98.0227, 77.5681, 73.7637



69.8906, 77.5681, 35.7733



# Rectangle

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



53.8179, 77.5681, 96.1400



63.1111, 77.5681, 153.0289



98.0227, 77.5681, 73.7637



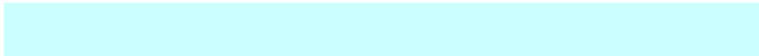
85.4694, 77.5681, 40.2171

# Sweetspot

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



53.8202, 77.5710, 96.1418



77.5324, 91.0255, 105.5427



40.1167, 72.2074, 18.6624



16.1844, 19.2731, 22.5005



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.



53.8202, 77.5710, 96.1418



52.8180, 78.4479, 97.0149



36.0270, 39.5143, 97.8268



17.7207, 19.5906, 21.9958



26.1666, 39.4796, 48.3479



2.4361, 3.6615, 4.5443



# Inverse Universe

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



44.4117, 26.5386, 11.5885



42.6680, 23.0889, 5.5727



52.7239, 43.7637, 12.5078



17.2846, 17.2412, 18.0885



20.9707, 10.8040, 1.2884

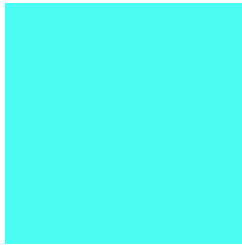


1.9559, 1.0061, 0.1910



# Previews

## White Background



This preview shows how the XYZ color 53.8179, 77.5681, 96.1400 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

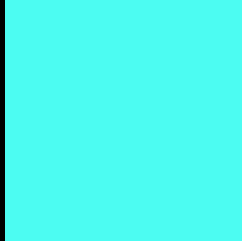
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 53.8179, 77.5681, 96.1400 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

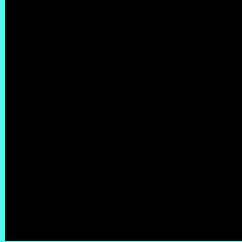
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 53.8179, 77.5681, 96.1400

## Background



This preview shows how black text looks on a background with the XYZ color 53.8179, 77.5681, 96.1400.



This preview shows how white text looks on a background with the XYZ color 53.8179, 77.5681,



# Color Blindness Simulation

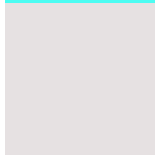
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



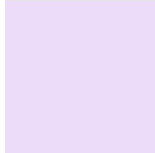
### Original Color

53.8179, 77.5681, 96.1400



### Protanopia

73.2858, 76.1644, 82.7901



### Deuteranopia

77.6171, 76.0305, 100.2070



## Tritanopia

62.6422, 76.9029, 106.1499

# Trichromacy



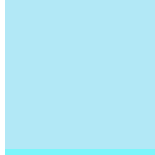
## Original Color

53.8179, 77.5681, 96.1400



## Protanomaly

61.7294, 74.2415, 87.4205



## Deuteranomaly

63.8513, 73.8320, 98.0745



## Tritanomaly

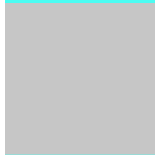
58.3652, 76.5669, 102.1452

# Monochromacy



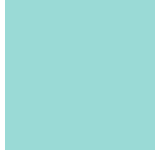
## Original Color

53.8179, 77.5681, 96.1400



## Achromatopsia

53.6758, 56.4712, 61.4971



## Achromatomaly

50.5354, 61.8679, 72.8965

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 53.8179, 77.5681, 96.1400 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(76, 252, 242)` looks like.

```
.text, #text, p{  
    color:rgb(76, 252, 242)  
}
```

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(76, 252, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 252, 242) }
```

## Border

The CSS property to change the border of an element to XYZ 53.8179, 77.5681, 96.1400 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(76, 252, 242) }
```



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

```
.border{ border-color:rgb(76, 252, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 252, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 252, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 252, 242);  
box-shadow:4px 4px 4px 4px rgb(76, 252,  
242) }
```

# Background

The CSS property to change the background color of an element to XYZ 53.8179, 77.5681, 96.1400 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 252, 242) }
```

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

```
.background{ background-color: rgb(76, 252,  
242) }
```

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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