

# Converting Colors

XYZ(54.9038, 79.3352,  
105.6044)

Have a look what the booklet for  
XYZ(54.9038, 79.3352, 105.6044)  
contains.

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# Color

**XYZ(54.8549, 79.3157,  
105.3468)**

# Conversions

## Conversions Part 1

Format	Color
Hex	33FFFD
RGB	51, 255, 253
RGB Percent	20%, 100%, 99%
CMY	0.7999, 0.0000, 0.0078
CMYK	0.80, 0.00, 0.01, 0.00
HSL	179°, 100%, 60%
HSV	179°, 80%, 100%
XYZ	54.8549, 79.3157, 105.3468
YIQ	193.7760, -120.9420, -43.8700

# Conversions

## Conversions Part 2

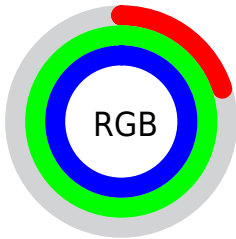
<b>Format</b>	<b>Color</b>
<b>RYB</b>	51, 154, 255
Decimal	3407869
CIELab	91.38, -46.54, -12.68
CIELCh	91, 48.238, 195.238
Yxy	79.3157, 0.2290, 0.3311
Android (android.graphics.Color)	4281597949 (0xFF33FFFD)
YUV	193.7760, 29.1974, -125.2146
Hunter-Lab	89.0594, -45.9092, -7.7916

# Details

The XYZ color **54.8549, 79.3157, 105.3468** 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 **43.0676, 23.8865, 5.7109**, and the grayscale version is **51.0329, 53.6905, 58.4690**.

A 20% lighter version of the original color is **63.8017, 83.8909, 107.4376**, and **29.9301, 43.9180, 59.1241** is the 20% darker color. If you saturate the color by 10%, you get **53.8639, 78.8094, 105.0942**, and if you desaturate by 10%, it is **56.5516, 80.1857, 105.6356**.

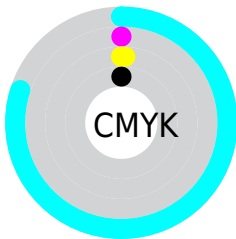
# Distribution



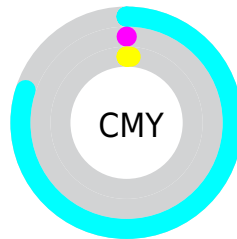
- Red (20%)
- Green (100%)
- Blue (99%)



- Red (20%)
- Yellow (60%)
- Blue (100%)



- Cyan (80%)
- Magenta (0%)
- Yellow (1%)
- Black (0%)



- Cyan (80%)
- Magenta (0%)
- Yellow (1%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 54.8549, 79.3157, 105.3468 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 54.8549, 79.3157, 105.3468 by changing the saturation by 10% instead.





 54.8549, 79.3157,  
105.3468


 54.8549, 79.3157,  
105.3468


395.5070,  
492.6237, 598.5948


 39.5189, 59.1554,  
80.1316


 96.4779, 132.4032,  
170.6014


 27.3462, 42.7382,  
59.2999


 123.4956,  
166.0992, 211.4780

 17.9713, 29.6798,  
42.4330


 155.1380,  
205.0759, 258.4121

 11.0290, 19.5957,  
29.1124

 191.7704,  
249.7177, 311.8223

 6.1538, 12.1015,  
18.9195

233.7581,  
300.4090, 372.1271

 2.9804, 6.8128,  
11.4359

281.4666,

 1.1434, 3.3453,

357.5342, 439.7451

6.2430

335.2611,  
421.4776, 515.0949

■ 0.0609, 1.3146,  
2.9222

■ 0.0000, 0.1524,  
1.0551

■ 54.8549, 79.3157,  
105.3468

■ 54.8549, 79.3157,  
105.3468

■ 53.8639, 78.8094,  
105.0942

■ 56.5516, 80.1857,  
105.6356

■ 53.4106, 78.5803,  
104.8657

■ 59.0512, 81.4697,  
105.9607

■ 53.4104, 78.5801,  
104.8655

■ 62.4394, 83.2118,  
106.3277

■ 66.7900, 85.4500,  
106.7400

■ 72.1690, 88.2183,  
107.2007

■ 78.6367, 91.5479,  
107.7127

■ 86.2487, 95.4674,  
108.2785

■ 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.



54.8139, 79.3157, 70.2771



54.8549, 79.3157, 105.3468



59.9775, 79.3157, 143.7081

# Triad

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



54.8549, 79.3157, 105.3468



93.3928, 79.3157, 143.1520



81.5542, 79.3157, 36.1491

# Complementary

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



54.8549, 79.3157, 105.3468



43.0676, 23.8865, 5.7109

# 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.



93.2332, 79.3157, 46.7500



54.8549, 79.3157, 105.3468



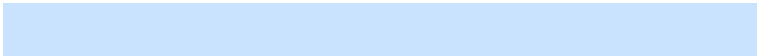
100.5548, 79.3157, 104.7295

# Square

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



54.8549, 79.3157, 105.3468



81.7537, 79.3157, 169.2409



100.4934, 79.3157, 69.8060



69.3601, 79.3157, 36.2303



# Rectangle

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



54.8549, 79.3157, 105.3468



65.9391, 79.3157, 163.3084



100.4934, 79.3157, 69.8060



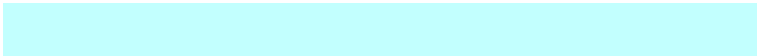
85.6973, 79.3157, 38.4214

# Sweetspot

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



54.8561, 79.3163, 105.3483



75.9104, 90.1443, 107.5012



37.9018, 72.5551, 15.1411



15.7616, 19.0442, 22.9710



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.



54.8561, 79.3163, 105.3483



53.5539, 78.6523, 104.9551



31.3734, 31.8388, 99.0997



18.5468, 20.4782, 23.1823



27.9116, 41.0612, 54.8132



2.7200, 3.9989, 5.3495



# Inverse Universe

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



43.0676, 23.8865, 5.7109



41.4208, 21.5095, 2.3359



52.6821, 43.1875, 8.6935



18.0166, 17.9900, 18.7048



21.5591, 11.1129, 1.0625

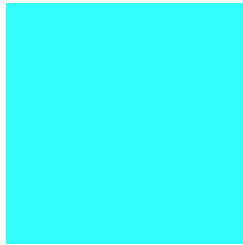


2.1016, 1.0830, 0.1162



# Previews

## White Background



This preview shows how the XYZ color 54.8549, 79.3157, 105.3468 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

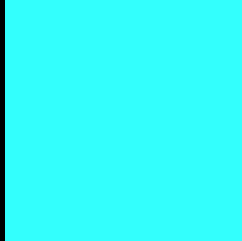
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 54.8549, 79.3157, 105.3468 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

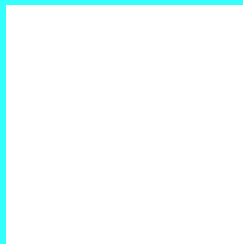
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 54.8549, 79.3157, 105.3468

## Background



This preview shows how black text looks on a background with the XYZ color 54.8549, 79.3157, 105.3468.



This preview shows how white text looks on a background with the XYZ color 54.8549, 79.3157,



# Color Blindness Simulation

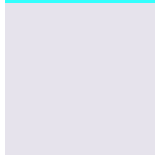
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

54.8549, 79.3157, 105.3468



### Protanopia

75.2425, 77.8173, 90.4114



### Deuteranopia

78.3694, 77.4878, 105.4339



## Tritanopia

64.2993, 78.1978, 106.3125

# Trichromacy



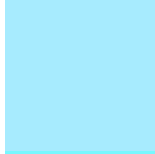
## Original Color

54.8549, 79.3157, 105.3468



## Protanomaly

61.8282, 74.9785, 95.2180



## Deuteranomaly

63.5341, 74.7879, 104.8528



## Tritanomaly

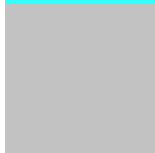
58.8959, 77.6704, 105.6537

# Monochromacy



## Original Color

54.8549, 79.3157, 105.3468



## Achromatopsia

51.2775, 53.9479, 58.7493



## Achromatomaly

47.9769, 59.7688, 73.2979

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 54.8549, 79.3157, 105.3468 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(51, 255, 253)` looks like.

```
.text, #text, p{  
    color:rgb(51, 255, 253)  
}
```

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(51, 255, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 255, 253) }
```

## Border

The CSS property to change the border of an element to XYZ 54.8549, 79.3157, 105.3468 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(51, 255, 253) }
```



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

```
.border{ border-color:rgb(51, 255, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 255, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 255, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 255, 253);  
box-shadow:4px 4px 4px 4px rgb(51, 255,  
253) }
```

# Background

The CSS property to change the background color of an element to XYZ 54.8549, 79.3157, 105.3468 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 255, 253) }
```

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

```
.background{ background-color: rgb(51, 255,  
253) }
```

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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