

# Converting Colors

XYZ(35.4161, 54.5877, 49.0328)

Have a look what the booklet for  
XYZ(35.4161, 54.5877, 49.0328)  
contains.

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# Color

**XYZ(35.4818, 54.6157,  
49.2292)**

# Conversions

## Conversions Part 1

Format	Color
Hex	48DAAF
RGB	72, 218, 175
RGB Percent	28%, 85%, 69%
CMY	0.7176, 0.1451, 0.3137
CMYK	0.67, 0.00, 0.20, 0.15
HSL	162°, 66%, 57%
HSV	162°, 67%, 85%
XYZ	35.4818, 54.6157, 49.2292
YIQ	169.4440, -73.2130, -44.3250

# Conversions

## Conversions Part 2

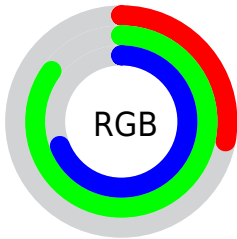
<b>Format</b>	<b>Color</b>
<b>RYB</b>	72, 158, 218
Decimal	4774575
CIELab	78.82, -48.68, 9.98
CIElCh	79, 49.697, 168.417
Yxy	54.6157, 0.2547, 0.3920
Android (android.graphics.Color)	4282964655 (0xFF48DAAF)
YUV	169.4440, 2.7391, -85.4584
Hunter-Lab	73.9024, -43.6284, 12.2364

# Details

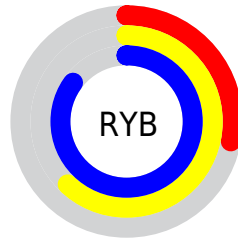
The XYZ color **35.4818, 54.6157, 49.2292** is a light color, and the websafe version is hex **33CC99**. The color can be described as light muted spring green. A complement of this color would be **34.3272, 20.7795, 18.4236**, and the grayscale version is **37.9465, 39.9226, 43.4757**.

A 20% lighter version of the original color is **60.3371, 82.5238, 88.3499**, and **16.4955, 27.2707, 23.1333** is the 20% darker color. If you saturate the color by 10%, you get **33.5200, 53.6769, 45.9241**, and if you desaturate by 10%, it is **38.0525, 55.8677, 52.7218**.

# Distribution



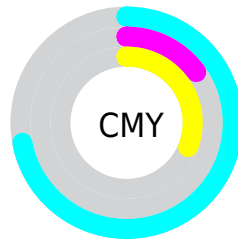
- Red (28%)
- Green (85%)
- Blue (69%)



- Red (28%)
- Yellow (62%)
- Blue (85%)



- Cyan (67%)
- Magenta (0%)
- Yellow (20%)
- Black (15%)




- Cyan (72%)
- Magenta (15%)
- Yellow (31%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 35.4818, 54.6157, 49.2292 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 35.4818, 54.6157, 49.2292 by changing the saturation by 10% instead.





 35.4818, 54.6157,  
49.2292


 35.4818, 54.6157,  
49.2292


318.1608,  
404.4535, 400.2923


 24.2025, 39.0941,  
34.4344


 67.5606, 96.9777,  
90.4163


 15.6095, 26.8330,  
22.9475


 89.0908, 124.5868,  
117.6457

 9.3373, 17.4478,  
14.3498


 114.7687,  
156.9940, 149.8571

 5.0207, 10.5543,  
8.2228

 144.9596,  
194.5836, 187.4689

 2.2943, 5.7680,  
4.1481

180.0289,  
237.7399, 230.8999

 0.7917, 2.7045,  
1.7069

220.3420,

 0.0000, 0.9795,

286.8474, 280.5684

0.3655

266.2642,  
342.2905, 336.8930

■ 0.0000, 0.0000,  
0.0000

■ 35.4818, 54.6157,  
49.2292

■ 35.4818, 54.6157,  
49.2292

■ 33.5200, 53.6769,  
45.9241

■ 38.0525, 55.8677,  
52.7218

■ 32.0982, 53.0116,  
42.7974

■ 41.2829, 57.4549,  
56.4028


■ 31.1337, 52.5788,  
39.8444


■ 45.2231, 59.4045,  
60.2777


■ 30.8879, 52.4709,  
38.9816


■ 49.9173, 61.7391,  
64.3507

■ 55.4058, 64.4796,  
68.6257

 61.7261, 67.6452,  
73.1062

 68.9132, 71.2540,  
77.7960

 77.0002, 75.3229,  
82.6984

 80.9905, 77.2759,  
87.5815

# Harmonies

## Analogous

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



38.9954, 54.6157, 30.2467



35.4818, 54.6157, 49.2292



35.9371, 54.6157, 78.2993

# Triad

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



35.4818, 54.6157, 49.2292



58.1260, 54.6157, 127.1896



65.5204, 54.6157, 27.4263

# Complementary

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



35.4818, 54.6157, 49.2292



34.3272, 20.7795, 18.4236

# 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.



72.0296, 54.6157, 43.9263



35.4818, 54.6157, 49.2292



67.4023, 54.6157, 103.2122

# Square

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



35.4818, 54.6157, 49.2292



48.2005, 54.6157, 129.9876



72.7589, 54.6157, 71.0345



55.8063, 54.6157, 20.5901

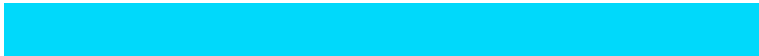


# Rectangle

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



35.4818, 54.6157, 49.2292



38.4424, 54.6157, 99.9327



72.7589, 54.6157, 71.0345



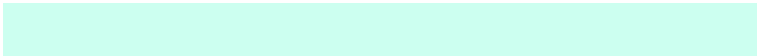
68.2059, 54.6157, 31.7329

# Sweetspot

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



35.4833, 54.6178, 49.2305



76.3868, 90.6474, 95.8921



33.4188, 54.3123, 14.8539



15.8723, 19.1637, 20.1541



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.



35.4833, 54.6178, 49.2305



46.9659, 76.1601, 63.8039



33.4838, 42.7510, 72.8192



13.2729, 14.7608, 15.9001



18.5536, 31.4540, 23.6122



1.2390, 2.0526, 1.7247



# Inverse Universe

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



34.3272, 20.7795, 18.4236



45.2978, 24.7772, 17.4587



34.7581, 24.7212, 9.0716



13.2130, 13.1143, 14.3831



17.9213, 9.1696, 3.9657

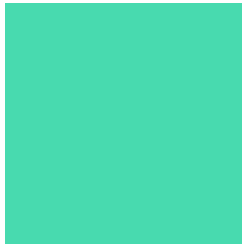


1.1983, 0.6089, 0.4529



# Previews

## White Background



This preview shows how the XYZ color 35.4818, 54.6157, 49.2292 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 35.4818, 54.6157, 49.2292 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

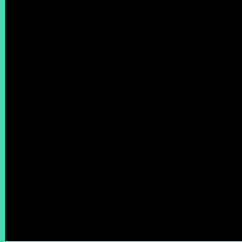
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

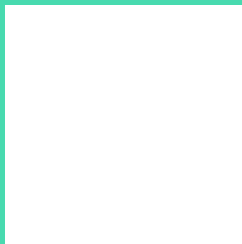
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 35.4818, 54.6157, 49.2292**

## **Background**



This preview shows how black text looks on a background with the XYZ color 35.4818, 54.6157, 49.2292.



This preview shows how white text looks on a background with the XYZ color 35.4818, 54.6157,



# 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

35.4818, 54.6157, 49.2292

### Protanopia

50.4934, 53.5859, 41.8643

### Deuteranopia

54.8291, 53.6698, 51.7255



## Tritanopia

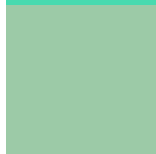
41.9139, 54.5697, 81.7227

# Trichromacy



## Original Color

35.4818, 54.6157, 49.2292



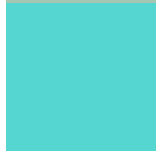
## Protanomaly

41.8059, 52.0990, 44.4119



## Deuteranomaly

43.6406, 51.5354, 50.2950



## Tritanomaly

39.3929, 54.6750, 68.7987

# Monochromacy



## Original Color

35.4818, 54.6157, 49.2292



## Achromatopsia

37.7116, 39.6755, 43.2066



## Achromatomaly

34.9525, 43.5493, 45.0917

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 35.4818, 54.6157, 49.2292 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(72, 218, 175)` looks like.

```
.text, #text, p{  
    color:rgb(72, 218, 175)  
}
```

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(72, 218, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 218, 175) }
```

## Border

The CSS property to change the border of an element to XYZ 35.4818, 54.6157, 49.2292 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(72, 218, 175) }
```



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

```
.border{ border-color:rgb(72, 218, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(72, 218, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 218, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 218, 175);  
box-shadow:4px 4px 4px 4px rgb(72, 218,  
175) }
```

# Background

The CSS property to change the background color of an element to XYZ 35.4818, 54.6157, 49.2292 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 218, 175) }
```

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

```
.background{ background-color: rgb(72, 218,  
175) }
```

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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