

# Converting Colors

XYZ(54.5733, 54.4224, 16.8066)

Have a look what the booklet for  
XYZ(54.5733, 54.4224, 16.8066)  
contains.

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# Color

**XYZ(54.4568, 54.2498,  
16.8336)**

# Conversions

## Conversions Part 1

Format	Color
Hex	<a href="#">EDBB58</a>
RGB	<a href="#">237, 187, 88</a>
RGB Percent	<a href="#">93%, 73%, 35%</a>
CMY	<a href="#">0.0706, 0.2666, 0.6549</a>
CMYK	<a href="#">0.00, 0.21, 0.63, 0.07</a>
HSL	<a href="#">40°, 81%, 64%</a>
HSV	<a href="#">40°, 63%, 93%</a>
XYZ	<a href="#">54.4568, 54.2498, 16.8336</a>
YIQ	<a href="#">190.6640, 61.5790, -20.1890</a>

# Conversions

## Conversions Part 2

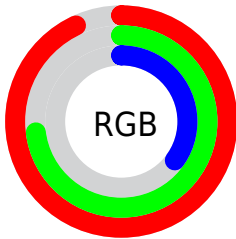
Format	Color
<b>RYB</b>	163, 237, 88
Decimal	15579992
CIELab	78.61, 7.49, 55.77
CIELCh	79, 56.275, 82.351
Yxy	54.2498, 0.4338, 0.4321
Android (android.graphics.Color)	4293770072 (0xFFEDBB58)
YUV	190.6640, -50.6134, 40.6367
Hunter-Lab	73.6545, 3.0796, 38.0075

# Details

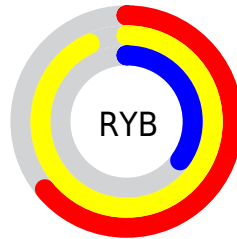
The XYZ color **54.4568, 54.2498, 16.8336** is a light color, and the websafe version is hex **FFCC66**. The color can be described as light muted orange. A complement of this color would be **28.3986, 26.3649, 83.7123**, and the grayscale version is **49.5867, 52.1691, 56.8121**.

A 20% lighter version of the original color is **78.0983, 87.2843, 37.9306**, and **27.1886, 26.6365, 5.2985** is the 20% darker color. If you saturate the color by 10%, you get **51.9899, 50.6401, 11.9302**, and if you desaturate by 10%, it is **57.3387, 58.1793, 23.4503**.

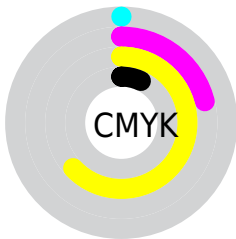
# Distribution



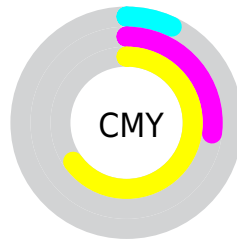
- Red (93%)
- Green (73%)
- Blue (35%)



- Red (64%)
- Yellow (93%)
- Blue (35%)



- Cyan (0%)
- Magenta (21%)
- Yellow (63%)
- Black (7%)



- Cyan (7%)
- Magenta (27%)
- Yellow (65%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 54.4568, 54.2498, 16.8336 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 54.4568, 54.2498, 16.8336 by changing the saturation by 10% instead.



54.4568, 54.2498,  
16.8336

54.4568, 54.2498,  
16.8336

394.0195,  
403.0619, 246.2230

39.1991, 38.8014,  
9.9552

95.8976, 96.4409,  
38.8262

27.0961, 26.6053,  
5.2641

122.8114,  
123.9524, 54.7775

17.7824, 17.2770,  
2.3416

154.3413,  
156.2538, 74.5901

10.8926, 10.4322,  
0.7544

190.8527,  
193.7294, 98.6827

6.0614, 5.6864,  
0.0000

232.7108,  
236.7636, 127.4737

2.9235, 2.6554,  
0.0000

280.2811,

1.1134, 0.9546,

285.7408, 161.3818

0.0000

333.9289,  
341.0454, 200.8254

■ 0.0363, 0.0000,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 54.4568, 54.2498,  
16.8336

■ 54.4568, 54.2498,  
16.8336

■ 51.9899, 50.6401,  
11.9302

■ 57.3387, 58.1793,  
23.4503

■ 49.9004, 47.3263,  
8.5665


■ 60.6612, 62.4347,  
31.9245


■ 48.1491, 44.2924,  
6.5379


■ 64.4519, 67.0314,  
42.3890


■ 47.0630, 42.2807,  
5.6805


■ 68.7347, 71.9814,  
54.9632

 73.5318, 77.2957,  
69.7571

 78.8640, 82.9846,  
86.8731

 84.7507, 89.0582,  
106.4071

 87.3542, 93.9833,  
108.1443

 88.7348, 96.7444,  
108.6045

# Harmonies

## Analogous

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



65.7321, 54.2498, 22.6819



54.4568, 54.2498, 16.8336



43.8637, 54.2498, 18.6486

# Triad

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



54.4568, 54.2498, 16.8336



34.2323, 54.2498, 85.5007



70.3785, 54.2498, 104.8347

# Complementary

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



54.4568, 54.2498, 16.8336



28.3986, 26.3649, 83.7123

# 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.



60.1139, 54.2498, 135.5726



54.4568, 54.2498, 16.8336



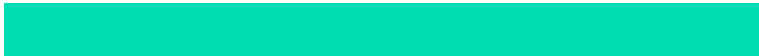
39.5918, 54.2498, 121.9003

# Square

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



54.4568, 54.2498, 16.8336



33.1676, 54.2498, 51.2990



48.7732, 54.2498, 142.7403



75.7454, 54.2498, 67.5860



# Rectangle

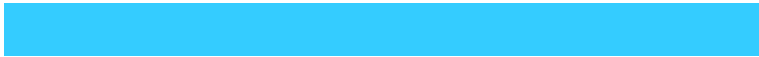
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



54.4568, 54.2498, 16.8336



38.4776, 54.2498, 24.4279



48.7732, 54.2498, 142.7403



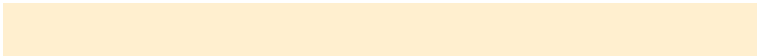
67.3219, 54.2498, 116.7493

# Sweetspot

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



54.4581, 54.2524, 16.8347



83.2390, 87.3260, 71.2119



43.1596, 26.8822, 27.7836



17.4785, 18.3127, 14.2121



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.



54.4581, 54.2524, 16.8347



60.7521, 58.8148, 12.9637



59.9671, 75.6666, 20.6777



15.9015, 16.7261, 15.9091



25.8207, 23.3356, 3.1433



2.1156, 2.0085, 0.2762



# Inverse Universe

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



28.3986, 26.3649, 83.7123



27.8569, 23.7191, 97.7178



25.2502, 16.4319, 81.9610



14.6442, 15.3748, 19.1181



10.0009, 6.6489, 44.4992



0.8711, 0.6937, 3.5229



# Previews

## White Background



This preview shows how the XYZ color 54.4568, 54.2498, 16.8336 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 54.4568, 54.2498, 16.8336 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 54.4568, 54.2498, 16.8336**

## **Background**



This preview shows how black text looks on a background with the XYZ color 54.4568, 54.2498, 16.8336.



This preview shows how white text looks on a background with the XYZ color 54.4568, 54.2498,



# 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

54.4568, 54.2498, 16.8336

### Protanopia

49.6795, 54.3673, 17.5484

### Deuteranopia

55.3860, 54.1033, 16.7563



## Tritanopia

62.4758, 54.1809, 55.8803

# Trichromacy



## Original Color

54.4568, 54.2498, 16.8336

## Protanomaly

51.3933, 54.2678, 17.2172

## Deuteranomaly

55.2555, 54.3477, 16.8104

## Tritanomaly

58.6890, 53.8197, 37.4320

# Monochromacy



## Original Color

54.4568, 54.2498, 16.8336

## Achromatopsia

49.5206, 52.0996, 56.7364

## Achromatomaly

50.2586, 52.5699, 38.0699

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 54.4568, 54.2498, 16.8336 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(237, 187, 88)` looks like.

```
.text, #text, p{  
    color:rgb(237, 187, 88)  
}
```

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(237, 187, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 187, 88) }
```

## Border

The CSS property to change the border of an element to XYZ 54.4568, 54.2498, 16.8336 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(237, 187, 88) }
```



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

```
.border{ border-color:rgb(237, 187, 88) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 187, 88)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 187, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 187, 88);  
box-shadow:4px 4px 4px 4px rgb(237, 187,  
88) }
```

# Background

The CSS property to change the background color of an element to XYZ 54.4568, 54.2498, 16.8336 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 187, 88) }
```

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

```
.background{ background-color: rgb(237,  
187, 88) }
```

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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