

# Converting Colors

XYZ(54.6399, 51.6384, 14.4845)

Have a look what the booklet for XYZ(54.6399, 51.6384, 14.4845) contains.

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# Color

**XYZ(54.6399, 51.6384,  
14.4845)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F4B24F
RGB	244, 178, 79
RGB Percent	96%, 70%, 31%
CMY	0.0431, 0.3019, 0.6902
CMYK	0.00, 0.27, 0.68, 0.04
HSL	36°, 88%, 63%
HSV	36°, 68%, 96%
XYZ	54.6399, 51.6384, 14.4845
YIQ	186.4480, 71.1150, -16.7970

# Conversions

## Conversions Part 2

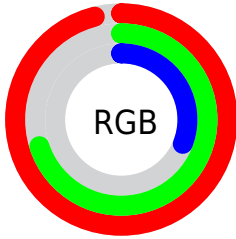
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	189, 244, 79
Decimal	16036431
CIE <sub>Lab</sub>	77.06, 14.61, 58.36
CIE <sub>LCh</sub>	77, 60.159, 75.948
Yxy	51.6384, 0.4525, 0.4276
Android (android.graphics.Color)	4294226511 (0xFFFF4B24F)
YUV	186.4480, -52.9719, 50.4731
Hunter-Lab	71.8599, 9.9708, 38.3511

# Details

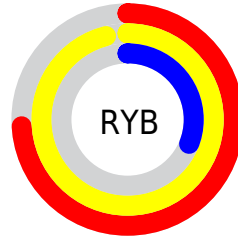
The XYZ color **54.6399, 51.6384, 14.4845** is a light color, and the websafe version is hex **FFCC66**. The color can be described as light washed orange. A complement of this color would be **29.6784, 28.4434, 89.5133**, and the grayscale version is **47.1850, 49.6423, 54.0605**.

A 20% lighter version of the original color is **74.8277, 81.7716, 33.6694**, and **27.2554, 24.9194, 4.1840** is the 20% darker color. If you saturate the color by 10%, you get **52.0365, 47.6018, 10.0102**, and if you desaturate by 10%, it is **57.7097, 56.0868, 20.7224**.

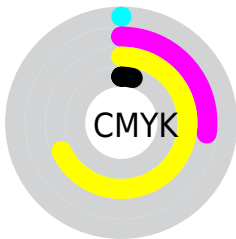
# Distribution



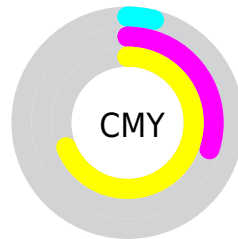
- Red (96%)
- Green (70%)
- Blue (31%)



- Red (74%)
- Yellow (96%)
- Blue (31%)



- Cyan (0%)
- Magenta (27%)
- Yellow (68%)
- Black (4%)




- Cyan (4%)
- Magenta (30%)
- Yellow (69%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 54.6399, 51.6384, 14.4845 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 54.6399, 51.6384, 14.4845 by changing the saturation by 10% instead.





 54.6399, 51.6384,  
14.4845

 54.6399, 51.6384,  
14.4845


394.7041,  
393.0390, 231.7567


 39.3462, 36.7169,  
8.3158


 96.1646, 92.5977,  
34.6757


 27.2111, 24.9884,  
4.2070


 123.1262,  
119.4044, 49.5353


 17.8692, 16.0684,  
1.7396


 154.7079,  
150.9416, 68.1289

 10.9553, 9.5726,  
0.3877

 191.2749,  
187.5937, 90.8751

 6.1038, 5.1165,  
0.0000

 233.1927,  
229.7451, 118.1925

 2.9496, 2.3158,  
0.0000

280.8266,

 1.1272, 0.7820,

277.7802, 150.4995

0.0000

334.5420,  
332.0834, 188.2147

■ 0.0477, 0.0000,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 54.6399, 51.6384,  
14.4845

■ 54.6399, 51.6384,  
14.4845

■ 52.0365, 47.6018,  
10.0102

■ 57.7097, 56.0868,  
20.7224

■ 49.8553, 43.9484,  
7.0972


■ 61.2769, 60.9576,  
28.8904


■ 48.0445, 40.6550,  
5.4816


■ 65.3738, 66.2700,  
39.1387


■ 47.6499, 39.9169,  
5.1933

■ 70.0282, 72.0394,  
51.6017

 75.2659, 78.2801,  
66.4025

 81.1109, 85.0058,  
83.6551

 87.5856, 92.2293,  
103.4659

 91.1180, 97.9730,  
108.7160

# Harmonies

## Analogous

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



66.0913, 51.6384, 21.9209



54.6399, 51.6384, 14.4845



43.2600, 51.6384, 14.7049

# Triad

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



54.6399, 51.6384, 14.4845



30.7631, 51.6384, 75.4535



66.7234, 51.6384, 112.6570

# Complementary

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



54.6399, 51.6384, 14.4845



29.6784, 28.4434, 89.5133

# 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.



55.4016, 51.6384, 141.5875



54.6399, 51.6384, 14.4845



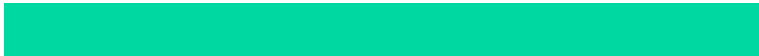
35.2723, 51.6384, 115.0253

# Square

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



54.6399, 51.6384, 14.4845



30.6248, 51.6384, 42.2258



43.9121, 51.6384, 142.5924



73.7695, 51.6384, 73.0207



# Rectangle

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



54.6399, 51.6384, 14.4845



37.2253, 51.6384, 18.9957



43.9121, 51.6384, 142.5924



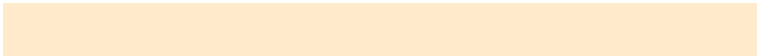
63.2188, 51.6384, 124.5339

# Sweetspot

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



54.6411, 51.6410, 14.4855



81.7335, 84.8085, 69.1886



45.2151, 26.8697, 29.5919



17.1406, 17.7328, 13.8042



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.



54.6411, 51.6410, 14.4855



56.6092, 51.1299, 9.7307



65.5983, 81.6778, 19.7057



17.3262, 18.1366, 17.3851



26.0469, 21.9794, 2.8696



2.3897, 2.1325, 0.2857



# Inverse Universe

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



29.6784, 28.4434, 89.5133



27.4150, 24.1088, 97.8163



23.8969, 14.5839, 87.1429



16.1251, 17.0145, 20.9768



11.3580, 8.5099, 47.5820



1.0959, 0.9433, 4.2145



# Previews

## White Background



This preview shows how the XYZ color 54.6399, 51.6384, 14.4845 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 54.6399, 51.6384, 14.4845 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 54.6399, 51.6384, 14.4845

## Background



This preview shows how black text looks on a background with the XYZ color 54.6399, 51.6384, 14.4845.



This preview shows how white text looks on a background with the XYZ color 54.6399, 51.6384,



# 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

54.6399, 51.6384, 14.4845

### Protanopia

47.3435, 51.8832, 15.7028

### Deuteranopia

52.8241, 51.6023, 14.3838



## Tritanopia

61.8406, 51.4420, 49.8500

# Trichromacy



## Original Color

54.6399, 51.6384, 14.4845

## Protanomaly

49.8224, 51.5743, 15.3116

## Deuteranomaly

53.6316, 51.7178, 14.3636

## Tritanomaly

58.2322, 51.0654, 32.7740

# Monochromacy



## Original Color

54.6399, 51.6384, 14.4845

## Achromatopsia

46.6715, 49.1021, 53.4722

## Achromatomaly

47.9321, 49.2390, 34.5815

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 54.6399, 51.6384, 14.4845 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(244, 178, 79)` looks like.

```
.text, #text, p{  
    color:rgb(244, 178, 79)  
}
```

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(244, 178, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 178, 79) }
```

## Border

The CSS property to change the border of an element to XYZ 54.6399, 51.6384, 14.4845 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(244, 178, 79) }
```



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

```
.border{ border-color:rgb(244, 178, 79) }
```

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

Here you see how a box with a 4 pixel `rgb(244, 178, 79)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 178, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 178, 79);  
box-shadow:4px 4px 4px 4px rgb(244, 178,  
79) }
```

# Background

The CSS property to change the background color of an element to XYZ 54.6399, 51.6384, 14.4845 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 178, 79) }
```

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

```
.background{ background-color: rgb(244,  
178, 79) }
```

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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