

# Converting Colors

XYZ(54.6677, 51.5914, 13.4588)

Have a look what the booklet for  
XYZ(54.6677, 51.5914, 13.4588)  
contains.

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# Color

**XYZ(54.7792, 51.7343,  
13.4019)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F5B249
RGB	245, 178, 73
RGB Percent	96%, 70%, 29%
CMY	0.0392, 0.3019, 0.7137
CMYK	0.00, 0.27, 0.70, 0.04
HSL	37°, 90%, 62%
HSV	37°, 70%, 96%
XYZ	54.7792, 51.7343, 13.4019
YIQ	186.0630, 73.6370, -18.4510

# Conversions

## Conversions Part 2

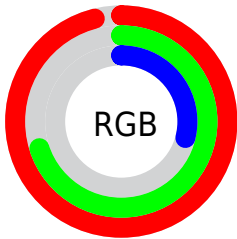
<b>Format</b>	<b>Color</b>
<b>RYB</b>	183, 245, 73
Decimal	16101961
CIELab	77.12, 14.71, 61.07
CIELCh	77, 62.815, 76.455
Yxy	51.7343, 0.4568, 0.4314
Android (android.graphics.Color)	4294292041 (0xFFFF5B249)
YUV	186.0630, -55.7401, 51.6877
Hunter-Lab	71.9266, 10.0740, 39.3012

# Details

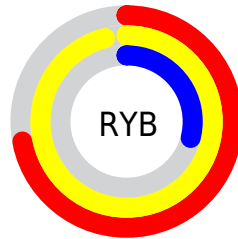
The XYZ color **54.7792, 51.7343, 13.4019** is a light color, and the websafe version is hex **FFCC66**. The color can be described as light washed orange. A complement of this color would be **28.6068, 26.7642, 90.0439**, and the grayscale version is **46.9824, 49.4292, 53.8284**.

A 20% lighter version of the original color is **74.4287, 81.6120, 31.5685**, and **27.2944, 25.1386, 3.7615** is the 20% darker color. If you saturate the color by 10%, you get **52.2883, 47.8068, 9.3228**, and if you desaturate by 10%, it is **57.7243, 56.0591, 19.2108**.

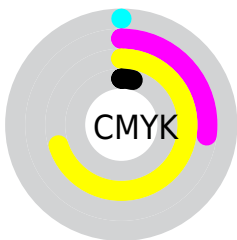
# Distribution



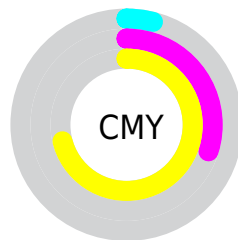
- Red (96%)
- Green (70%)
- Blue (29%)



- Red (72%)
- Yellow (96%)
- Blue (29%)



- Cyan (0%)
- Magenta (27%)
- Yellow (70%)
- Black (4%)



- Cyan (4%)
- Magenta (30%)
- Yellow (71%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 54.7792, 51.7343, 13.4019 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 54.7792, 51.7343, 13.4019 by changing the saturation by 10% instead.



54.7792, 51.7343,  
13.4019

54.7792, 51.7343,  
13.4019

395.2244,  
393.4100, 224.7751

39.4581, 36.7933,  
7.5719

96.3676, 92.7393,  
32.7257

27.2986, 25.0475,  
3.7384

123.3656,  
119.5721, 47.0565

17.9354, 16.1125,  
1.4830

154.9866,  
151.1376, 65.0580

11.0030, 9.6038,  
0.2052

191.5960,  
187.8202, 87.1488

6.1362, 5.1370,  
0.0000

233.5591,  
230.0044, 113.7474

2.9695, 2.3279,  
0.0000

281.2414,

1.1377, 0.7884,

278.0745, 145.2723

0.0000

335.0080,  
332.4149, 182.1420

■ 0.0563, 0.0000,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 54.7792, 51.7343,  
13.4019

■ 54.7792, 51.7343,  
13.4019

■ 52.2883, 47.8068,  
9.3228

■ 57.7243, 56.0591,  
19.2108


■ 50.2054, 44.2475,  
6.7588


■ 61.1562, 60.7920,  
26.9241


■ 48.4941, 41.0886,  
5.3750


■ 65.1080, 65.9523,  
36.6983


■ 69.6084, 71.5556,  
48.6725

 74.6837, 77.6161,  
62.9736

 80.3584, 84.1473,  
79.7189

 86.6553, 91.1621,  
99.0177

 91.2586, 97.7375,  
108.6631

 91.4660, 98.1524,  
108.7323

# Harmonies

## Analogous

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



66.8522, 51.7343, 20.7127



54.7792, 51.7343, 13.4019



42.9182, 51.7343, 13.7384

# Triad

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



54.7792, 51.7343, 13.4019



30.1886, 51.7343, 77.2102



67.8749, 51.7343, 115.2574

# Complementary

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



54.7792, 51.7343, 13.4019



28.6068, 26.7642, 90.0439

# 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.



56.0054, 51.7343, 146.5035



54.7792, 51.7343, 13.4019



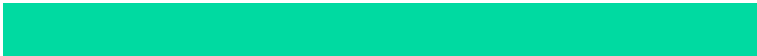
34.9209, 51.7343, 119.1270

# Square

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



54.7792, 51.7343, 13.4019



29.9700, 51.7343, 42.2209



43.9609, 51.7343, 148.1534



75.2030, 51.7343, 73.2764



# Rectangle

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



54.7792, 51.7343, 13.4019



36.6907, 51.7343, 18.1309



43.9609, 51.7343, 148.1534



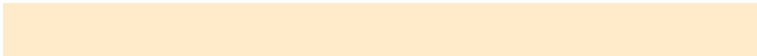
64.2042, 51.7343, 127.9967

# Sweetspot

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



54.7804, 51.7369, 13.4029



81.2990, 84.4249, 67.5470



44.9063, 26.1249, 28.1890



17.0615, 17.6689, 13.4872



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.



54.7804, 51.7369, 13.4029



56.3073, 50.7599, 8.9095



65.7863, 82.2468, 18.7118



17.3412, 18.1666, 17.3901



26.2634, 22.4124, 2.9418



2.4080, 2.1692, 0.2918



# Inverse Universe

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



28.6068, 26.7642, 90.0439



26.1932, 22.1607, 97.5046



23.1003, 13.5419, 87.7820



16.1105, 16.9853, 20.9719



11.2291, 8.2519, 47.5390



1.0837, 0.9188, 4.2105



# Previews

## White Background



This preview shows how the XYZ color 54.7792, 51.7343, 13.4019 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 54.7792, 51.7343, 13.4019 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 54.7792, 51.7343, 13.4019**

## **Background**



This preview shows how black text looks on a background with the XYZ color 54.7792, 51.7343, 13.4019.



This preview shows how white text looks on a background with the XYZ color 54.7792, 51.7343,



# 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

54.7792, 51.7343, 13.4019

### Protanopia

47.4109, 51.9436, 14.5485

### Deuteranopia

52.9535, 51.6928, 13.3176



## Tritanopia

62.2018, 51.6282, 49.8669

# Trichromacy



## Original Color

54.7792, 51.7343, 13.4019

## Protanomaly

49.9147, 51.6472, 14.1756

## Deuteranomaly

53.7666, 51.8112, 13.2976

## Tritanomaly

58.4376, 51.1886, 31.9997

# Monochromacy



## Original Color

54.7792, 51.7343, 13.4019

## Achromatopsia

46.6715, 49.1021, 53.4722

## Achromatomaly

47.7764, 49.1767, 33.7620

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 54.7792, 51.7343, 13.4019 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(245, 178, 73)` looks like.

```
.text, #text, p{  
    color:rgb(245, 178, 73)  
}
```

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(245, 178, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 178, 73) }
```

## Border

The CSS property to change the border of an element to XYZ 54.7792, 51.7343, 13.4019 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(245, 178, 73) }
```



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

```
.border{ border-color:rgb(245, 178, 73) }
```

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

Here you see how a box with a 4 pixel `rgb(245, 178, 73)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 178, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 178, 73);  
box-shadow:4px 4px 4px 4px rgb(245, 178,  
73) }
```

# Background

The CSS property to change the background color of an element to XYZ 54.7792, 51.7343, 13.4019 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 178, 73) }
```

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

```
.background{ background-color: rgb(245,  
178, 73) }
```

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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