

# Converting Colors

XYZ(55.1301, 51.8313, 17.9529)

Have a look what the booklet for  
XYZ(55.1301, 51.8313, 17.9529)  
contains.

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# Color

**XYZ(54.9481, 51.7217,  
17.9137)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F3B25F
RGB	243, 178, 95
RGB Percent	95%, 70%, 37%
CMY	0.0471, 0.3019, 0.6274
CMYK	0.00, 0.27, 0.61, 0.05
HSL	34°, 86%, 66%
HSV	34°, 61%, 95%
XYZ	54.9481, 51.7217, 17.9137
YIQ	187.9730, 65.3830, -12.0330

# Conversions

## Conversions Part 2

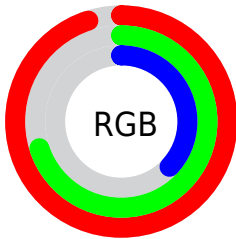
Format	Color
R <sub>Y</sub> B	211, 243, 95
Decimal	15970911
CIE Lab	77.11, 15.17, 50.95
CIE LCh	77, 53.162, 73.419
Yxy	51.7217, 0.4411, 0.4152
Android (android.graphics.Color)	4294160991 (0xFFFF3B25F)
YUV	187.9730, -45.8357, 48.2587
Hunter-Lab	71.9178, 10.5250, 35.5742

# Details

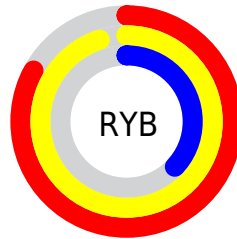
The XYZ color **54.9481, 51.7217, 17.9137** is a light color, and the websafe version is hex **FFCC66**. The color can be described as light muted orange. A complement of this color would be **33.4671, 34.0441, 89.6008**, and the grayscale version is **48.0120, 50.5123, 55.0079**.

A 20% lighter version of the original color is **76.0081, 82.2438, 39.8855**, and **27.3167, 24.9164, 5.7525** is the 20% darker color. If you saturate the color by 10%, you get **51.9700, 47.2661, 12.2955**, and if you desaturate by 10%, it is **58.4383, 56.6505, 25.4028**.

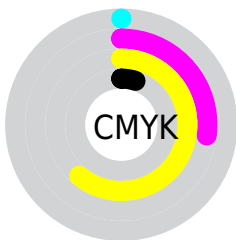
# Distribution



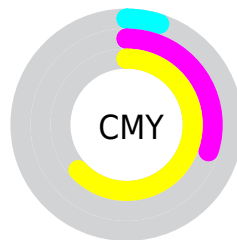
- Red (95%)
- Green (70%)
- Blue (37%)



- Red (83%)
- Yellow (95%)
- Blue (37%)



- Cyan (0%)
- Magenta (27%)
- Yellow (61%)
- Black (5%)



- Cyan (5%)
- Magenta (30%)
- Yellow (63%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 54.9481, 51.7217, 17.9137 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 54.9481, 51.7217, 17.9137 by changing the saturation by 10% instead.



54.9481, 51.7217,  
17.9137

54.9481, 51.7217,  
17.9137

395.8548,  
393.3613, 252.6039

39.5938, 36.7833,  
10.7192

96.6137, 92.7207,  
40.7022

27.4048, 25.0397,  
5.7666

123.6557,  
119.5500, 57.1333

18.0156, 16.1067,  
2.6372

155.3244,  
151.1118, 77.4803

11.0610, 9.5997,  
0.9116

191.9851,  
187.7905, 102.1619

6.1755, 5.1343,  
0.0000

234.0031,  
229.9703, 131.5965

2.9937, 2.3263,  
0.0000

281.7438,

1.1504, 0.7876,

278.0358, 166.2027

0.0000

335.5726,  
332.3713, 206.3990

■ 0.0667, 0.0000,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 54.9481, 51.7217,  
17.9137

■ 54.9481, 51.7217,  
17.9137

■ 51.9700, 47.2661,  
12.2955

■ 58.4383, 56.6505,  
25.4028

■ 49.4632, 43.2554,  
8.3687


■ 62.4695, 62.0638,  
34.9135


■ 47.3855, 39.6684,  
5.9235


■ 67.0724, 67.9814,  
46.5847


■ 45.8065, 36.7436,  
4.6780

■ 72.2740, 74.4196,  
60.5419

 78.0993, 81.3938,  
76.9010

 84.5720, 88.9184,  
95.7698

 90.0444, 96.3395,  
108.4573

 90.7719, 97.7946,  
108.6998

# Harmonies

## Analogous

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



64.7579, 51.7217, 25.9512



54.9481, 51.7217, 17.9137



44.7646, 51.7217, 17.5438

# Triad

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



54.9481, 51.7217, 17.9137



32.5015, 51.7217, 70.3223



63.8460, 51.7217, 107.5104

# Complementary

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



54.9481, 51.7217, 17.9137



33.4671, 34.0441, 89.6008

# 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.



53.8340, 51.7217, 130.1453



54.9481, 51.7217, 17.9137



36.2922, 51.7217, 104.1850

# Square

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



54.9481, 51.7217, 17.9137



32.7138, 51.7217, 41.8116



43.7932, 51.7217, 128.7532



70.3597, 51.7217, 73.8382



# Rectangle

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



54.9481, 51.7217, 17.9137



39.1669, 51.7217, 21.3372



43.7932, 51.7217, 128.7532



60.7226, 51.7217, 117.1083

# Sweetspot

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



54.9493, 51.7243, 17.9147



82.4244, 85.1952, 72.4866



47.5406, 29.8339, 37.2497



17.2523, 17.7630, 14.4368



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.



54.9493, 51.7243, 17.9147



57.3015, 51.6718, 12.5594



68.5753, 82.6915, 23.1738



17.2702, 18.0245, 17.3664



25.2771, 20.4397, 2.6130



2.3239, 2.0010, 0.2637



# Inverse Universe

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



33.4671, 34.0441, 89.6008



31.4956, 30.4837, 98.8317



25.7952, 17.5042, 86.8127



16.1800, 17.1242, 20.9951



11.8772, 9.5482, 47.7550



1.1444, 1.0402, 4.2307



# Previews

## White Background



This preview shows how the XYZ color 54.9481, 51.7217, 17.9137 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

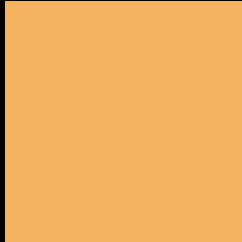
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 54.9481, 51.7217, 17.9137 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 54.9481, 51.7217, 17.9137**

## **Background**



This preview shows how black text looks on a background with the XYZ color 54.9481, 51.7217, 17.9137.



This preview shows how white text looks on a background with the XYZ color 54.9481, 51.7217,



# 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

54.9481, 51.7217, 17.9137

### Protanopia

47.4613, 51.8641, 19.3137

### Deuteranopia

53.0093, 51.9262, 17.8185



## Tritanopia

61.7675, 51.6655, 50.4330

# Trichromacy



## Original Color

54.9481, 51.7217, 17.9137

## Protanomaly

49.8877, 51.5292, 18.8720

## Deuteranomaly

53.8041, 52.0330, 17.7973

## Tritanomaly

58.6153, 51.4812, 35.7017

# Monochromacy



## Original Color

54.9481, 51.7217, 17.9137

## Achromatopsia

47.7994, 50.2886, 54.7643

## Achromatomaly

48.9856, 50.0240, 37.6456

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 54.9481, 51.7217, 17.9137 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(243, 178, 95)` looks like.

```
.text, #text, p{  
    color:rgb(243, 178, 95)  
}
```

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(243, 178, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 178, 95) }
```

## Border

The CSS property to change the border of an element to XYZ 54.9481, 51.7217, 17.9137 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(243, 178, 95) }
```



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

```
.border{ border-color:rgb(243, 178, 95) }
```

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

Here you see how a box with a 4 pixel `rgb(243, 178, 95)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 178, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 178, 95);  
box-shadow:4px 4px 4px 4px rgb(243, 178,  
95) }
```

# Background

The CSS property to change the background color of an element to XYZ 54.9481, 51.7217, 17.9137 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 178, 95) }
```

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

```
.background{ background-color: rgb(243,  
178, 95) }
```

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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