

# Converting Colors

XYZ(55.1528, 53.3702, 12.4868)

Have a look what the booklet for  
XYZ(55.1528, 53.3702, 12.4868)  
contains.

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# Color

**XYZ(55.2251, 53.4934,  
12.5688)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F4B742
RGB	244, 183, 66
RGB Percent	96%, 72%, 26%
CMY	0.0431, 0.2823, 0.7412
CMYK	0.00, 0.25, 0.73, 0.04
HSL	39°, 89%, 61%
HSV	39°, 73%, 96%
XYZ	55.2251, 53.4934, 12.5688
YIQ	187.9010, 73.9130, -23.4550

# Conversions

## Conversions Part 2

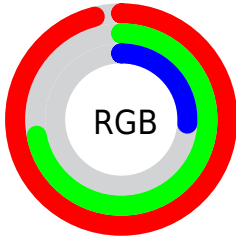
Format	Color
<a href="#">RYB</a>	<a href="#">159, 244, 66</a>
Decimal	<a href="#">16037698</a>
CIELab	<a href="#">78.17, 11.34, 64.97</a>
CIELCh	<a href="#">78, 65.955, 80.101</a>
Yxy	<a href="#">53.4934, 0.4553, 0.4410</a>
Android (android.graphics.Color)	<a href="#">4294227778</a> ( <a href="#">0xFFFF4B742</a> )
YUV	<a href="#">187.9010, -60.0972, 49.1988</a>
Hunter-Lab	<a href="#">73.1392, 6.7862, 41.0086</a>

# Details

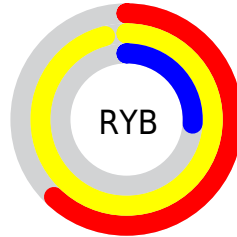
The XYZ color **55.2251, 53.4934, 12.5688** is a light color, and the websafe version is hex **FFCC66**. The color can be described as light washed orange. A complement of this color would be **26.1650, 22.8678, 88.6223**, and the grayscale version is **48.0462, 50.5484, 55.0472**.

A 20% lighter version of the original color is **75.4967, 84.3491, 30.0712**, and **27.5111, 26.0325, 3.5748** is the 20% darker color. If you saturate the color by 10%, you get **52.9799, 49.9195, 8.9966**, and if you desaturate by 10%, it is **57.8818, 57.4002, 17.7918**.

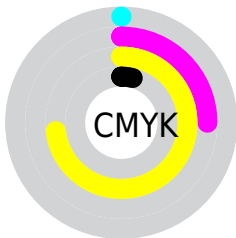
# Distribution



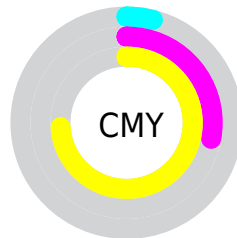
- Red (96%)
- Green (72%)
- Blue (26%)



- Red (62%)
- Yellow (96%)
- Blue (26%)



- Cyan (0%)
- Magenta (25%)
- Yellow (73%)
- Black (4%)



- Cyan (4%)
- Magenta (28%)
- Yellow (74%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 55.2251, 53.4934, 12.5688 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 55.2251, 53.4934, 12.5688 by changing the saturation by 10% instead.



55.2251, 53.4934,  
12.5688

55.2251, 53.4934,  
12.5688

396.8872,  
400.1752, 219.2453

39.8165, 38.1968,  
7.0051

97.0171, 95.3300,  
31.2067

27.5791, 26.1355,  
3.3868

124.1312,  
122.6388, 45.1179

18.1474, 16.9250,  
1.2954

155.8779,  
154.7204, 62.6487

11.1562, 10.1810,  
0.0580

192.6225,  
191.9593, 84.2176

6.2401, 5.5192,  
0.0000

234.7304,  
234.7399, 110.2432

3.0337, 2.5550,  
0.0000

282.5669,

1.1716, 0.9041,

283.4464, 141.1439

0.0000

336.4974,  
338.4634, 177.3385

■ 0.0838, 0.0000,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 55.2251, 53.4934,  
12.5688

■ 55.2251, 53.4934,  
12.5688

■ 52.9799, 49.9195,  
8.9966

■ 57.8818, 57.4002,  
17.7918


■ 51.0988, 46.6501,  
6.8499


■ 60.9827, 61.6492,  
24.8458


■ 49.9464, 44.5099,  
5.9588


■ 64.5608, 66.2584,  
33.8905


■ 68.6445, 71.2419,  
45.0675

 73.2597, 76.6125,  
58.5053

 78.4304, 82.3824,  
74.3220

 84.1788, 88.5628,  
92.6277

 89.5108, 94.7586,  
108.1803

 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.



68.4572, 53.4934, 18.9965



55.2251, 53.4934, 12.5688



42.7925, 53.4934, 13.7811

# Triad

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



55.2251, 53.4934, 12.5688



30.9390, 53.4934, 86.2053



72.3279, 53.4934, 116.6731

# Complementary

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



55.2251, 53.4934, 12.5688



26.1650, 22.8678, 88.6223

# 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.



59.8467, 53.4934, 153.5715



55.2251, 53.4934, 12.5688



36.5448, 53.4934, 131.4384

# Square

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



55.2251, 53.4934, 12.5688



30.1270, 53.4934, 46.8742



46.7007, 53.4934, 159.8912



79.3779, 53.4934, 71.3208



# Rectangle

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



55.2251, 53.4934, 12.5688



36.4912, 53.4934, 19.0726



46.7007, 53.4934, 159.8912



68.5387, 53.4934, 131.1624

# Sweetspot

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



55.2263, 53.4960, 12.5698



81.4683, 85.2412, 66.1313



43.1726, 24.6963, 23.0179



17.1248, 17.8882, 13.2224



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.



55.2263, 53.4960, 12.5698



57.4236, 53.2399, 8.5186



62.0385, 79.8921, 17.3057



17.4087, 18.3015, 17.4126



27.2904, 24.4663, 3.2841



2.4939, 2.3410, 0.3204



# Inverse Universe

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



26.1650, 22.8678, 88.6223



23.9124, 18.1238, 96.8457



22.7616, 12.7401, 86.8469



16.0454, 16.8550, 20.9502



10.7003, 7.1944, 47.3627



1.0322, 0.8159, 4.1933



# Previews

## White Background



This preview shows how the XYZ color 55.2251, 53.4934, 12.5688 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 55.2251, 53.4934, 12.5688 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 55.2251, 53.4934, 12.5688**

## **Background**



This preview shows how black text looks on a background with the XYZ color 55.2251, 53.4934, 12.5688.



This preview shows how white text looks on a background with the XYZ color 55.2251, 53.4934,



# 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

55.2251, 53.4934, 12.5688

### Protanopia

48.6849, 53.6122, 13.4124

### Deuteranopia

54.7418, 53.5516, 12.6055



## Tritanopia

63.3595, 53.2820, 52.2924

# Trichromacy



## Original Color

55.2251, 53.4934, 12.5688

## Protanomaly

50.8209, 53.4130, 13.1000

## Deuteranomaly

55.0860, 53.7290, 12.6216

## Tritanomaly

59.2046, 52.7228, 32.2554

# Monochromacy



## Original Color

55.2251, 53.4934, 12.5688

## Achromatopsia

47.7994, 50.2886, 54.7643

## Achromatomaly

48.6054, 50.5413, 33.5792

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 55.2251, 53.4934, 12.5688 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, 183, 66)` looks like.

```
.text, #text, p{  
    color:rgb(244, 183, 66)  
}
```

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, 183, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 183, 66) }
```

## Border

The CSS property to change the border of an element to XYZ 55.2251, 53.4934, 12.5688 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, 183, 66) }
```



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

```
.border{ border-color:rgb(244, 183, 66) }
```

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

Here you see how a box with a 4 pixel rgb(244, 183, 66) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 183, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 183, 66);  
box-shadow:4px 4px 4px 4px rgb(244, 183,  
66) }
```

# Background

The CSS property to change the background color of an element to XYZ 55.2251, 53.4934, 12.5688 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 183, 66) }
```

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

```
.background{ background-color: rgb(244,  
183, 66) }
```

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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