

# Converting Colors

XYZ(54.8854, 52.0162, 16.5985)

Have a look what the booklet for  
XYZ(54.8854, 52.0162, 16.5985)  
contains.

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# **Color**

**XYZ(54.8854, 52.0162,  
16.5985)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F3B359
RGB	243, 179, 89
RGB Percent	95%, 70%, 35%
CMY	0.0471, 0.2980, 0.6510
CMYK	0.00, 0.26, 0.63, 0.05
HSL	35°, 87%, 65%
HSV	35°, 63%, 95%
XYZ	54.8854, 52.0162, 16.5985
YIQ	187.8760, 67.0340, -14.4220

# Conversions

## Conversions Part 2

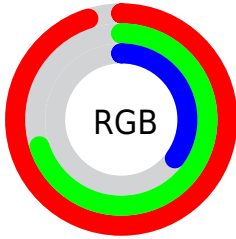
Format	Color
<b>R<sub>YB</sub></b>	199, 243, 89
Decimal	15971161
CIE Lab	77.29, 14.25, 54.01
CIE LCh	77, 55.855, 75.216
Yxy	52.0162, 0.4444, 0.4212
Android (android.graphics.Color)	4294161241 (0xFFFF3B359)
YUV	187.8760, -48.7459, 48.3437
Hunter-Lab	72.1223, 9.6254, 36.8403

# Details

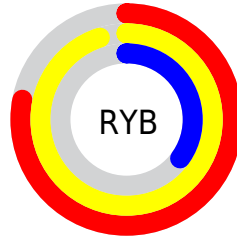
The XYZ color **54.8854, 52.0162, 16.5985** is a light color, and the websafe version is hex **FFCC66**. The color can be described as light muted orange. A complement of this color would be **31.6880, 31.3758, 89.1794**, and the grayscale version is **47.9722, 50.4705, 54.9623**.

A 20% lighter version of the original color is **75.8308, 82.6297, 37.5436**, and **27.3232, 25.1226, 5.1593** is the 20% darker color. If you saturate the color by 10%, you get **52.0785, 47.7749, 11.4326**, and if you desaturate by 10%, it is **58.1797, 56.6938, 23.5888**.

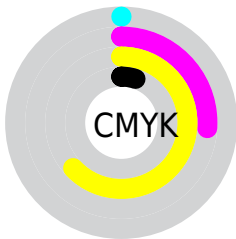
# Distribution



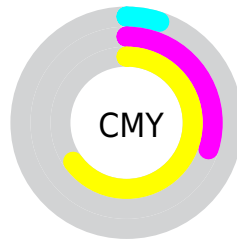
- Red (95%)
- Green (70%)
- Blue (35%)



- Red (78%)
- Yellow (95%)
- Blue (35%)



- Cyan (0%)
- Magenta (26%)
- Yellow (63%)
- Black (5%)



- Cyan (5%)
- Magenta (30%)
- Yellow (65%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 54.8854, 52.0162, 16.5985 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 54.8854, 52.0162, 16.5985 by changing the saturation by 10% instead.



54.8854, 52.0162,  
16.5985

54.8854, 52.0162,  
16.5985

395.6209,  
394.4991, 244.8130

39.5435, 37.0180,  
9.7897

96.5223, 93.1551,  
38.4153

27.3654, 25.2214,  
5.1560

123.5480,  
120.0646, 54.2604

17.9858, 16.2421,  
2.2787

155.1990,  
151.7134, 73.9547

11.0394, 9.6956,  
0.7193

191.8407,  
188.4857, 97.9167

6.1609, 5.1976,  
0.0000

233.8383,  
230.7661, 126.5651

2.9847, 2.3637,  
0.0000

281.5573,

1.1457, 0.8071,

278.9388, 160.3182

0.0000

335.3631,  
333.3884, 199.5947

■ 0.0628, 0.0000,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 54.8854, 52.0162,  
16.5985

■ 54.8854, 52.0162,  
16.5985

■ 52.0785, 47.7749,  
11.4326

■ 58.1797, 56.6938,  
23.5888

■ 49.7175, 43.9420,  
7.9048


■ 61.9905, 61.8180,  
32.5588


■ 47.7584, 40.4967,  
5.7937


■ 66.3489, 67.4079,  
43.6509


■ 46.6382, 38.4072,  
4.9552

■ 71.2817, 73.4790,  
56.9930

 76.8139, 80.0458,  
72.7031

 82.9691, 87.1220,  
90.8906

 89.1014, 94.4536,  
108.1430

 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.



65.4189, 52.0162, 24.2322



54.8854, 52.0162, 16.5985



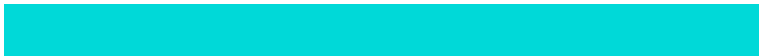
44.2273, 52.0162, 16.6494

# Triad

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



54.8854, 52.0162, 16.5985



32.1056, 52.0162, 73.5772



65.5516, 52.0162, 109.1965

# Complementary

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



54.8854, 52.0162, 16.5985



31.6880, 31.3758, 89.1794

# 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.



55.0467, 52.0162, 134.7796



54.8854, 52.0162, 16.5985



36.3008, 52.0162, 109.6853

# Square

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



54.8854, 52.0162, 16.5985



32.0754, 52.0162, 42.8757



44.3669, 52.0162, 134.9853



72.1550, 52.0162, 73.0660



# Rectangle

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



54.8854, 52.0162, 16.5985



38.4856, 52.0162, 20.8151



44.3669, 52.0162, 134.9853



62.2974, 52.0162, 119.8098

# Sweetspot

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



54.8866, 52.0188, 16.5995



82.1178, 85.0835, 70.8381



46.2981, 28.5052, 33.2715



17.2066, 17.7689, 14.1215



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.



54.8866, 52.0188, 16.5995



57.3142, 52.0522, 11.4695



66.5401, 81.6726, 21.7091



17.3039, 18.0919, 17.3776



25.7331, 21.3518, 2.7650



2.3630, 2.0792, 0.2768

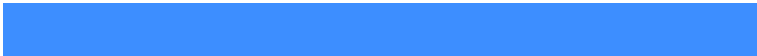


# Inverse Universe

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



31.6880, 31.3758, 89.1794



29.6200, 27.4849, 98.3517



25.2110, 16.4313, 86.6362



16.1469, 17.0581, 20.9841



11.5576, 8.9089, 47.6485



1.1147, 0.9808, 4.2208



# Previews

## White Background



This preview shows how the XYZ color 54.8854, 52.0162, 16.5985 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 54.8854, 52.0162, 16.5985 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 54.8854, 52.0162, 16.5985**

## **Background**



This preview shows how black text looks on a background with the XYZ color 54.8854, 52.0162, 16.5985.



This preview shows how white text looks on a background with the XYZ color 54.8854, 52.0162,



# 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

54.8854, 52.0162, 16.5985

### Protanopia

47.7580, 52.0490, 17.8853

### Deuteranopia

53.0815, 51.9933, 16.4705



## Tritanopia

62.0558, 52.0773, 51.0372

# Trichromacy



## Original Color

54.8854, 52.0162, 16.5985

## Protanomaly

50.1335, 52.0013, 17.5202

## Deuteranomaly

53.8819, 52.1031, 16.4495

## Tritanomaly

58.6466, 51.7994, 34.9242

# Monochromacy



## Original Color

54.8854, 52.0162, 16.5985

## Achromatopsia

47.7994, 50.2886, 54.7643

## Achromatomaly

49.0289, 50.3748, 36.8450

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 54.8854, 52.0162, 16.5985 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, 179, 89)` looks like.

```
.text, #text, p{  
    color:rgb(243, 179, 89)  
}
```

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, 179, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 179, 89) }
```

## Border

The CSS property to change the border of an element to XYZ 54.8854, 52.0162, 16.5985 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, 179, 89) }
```



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

```
.border{ border-color:rgb(243, 179, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(243, 179, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 179, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 179, 89);  
box-shadow:4px 4px 4px 4px rgb(243, 179,  
89) }
```

# Background

The CSS property to change the background color of an element to XYZ 54.8854, 52.0162, 16.5985 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 179, 89) }
```

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

```
.background{ background-color: rgb(243,  
179, 89) }
```

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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