

# Converting Colors

XYZ(55.0873, 53.9445, 16.9601)

Have a look what the booklet for  
XYZ(55.0873, 53.9445, 16.9601)  
contains.

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# Color

**XYZ(55.0873, 53.9445,  
16.9601)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F0B959
RGB	240, 185, 89
RGB Percent	94%, 73%, 35%
CMY	0.0588, 0.2745, 0.6510
CMYK	0.00, 0.23, 0.63, 0.06
HSL	38°, 83%, 65%
HSV	38°, 63%, 94%
XYZ	55.0873, 53.9445, 16.9601
YIQ	190.5010, 63.5960, -18.1960

# Conversions

## Conversions Part 2

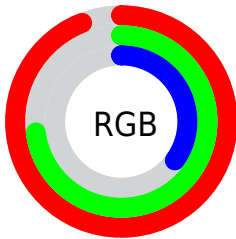
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	176, 240, 89
Decimal	15776089
CIE <sub>Lab</sub>	78.43, 9.85, 55.20
CIE <sub>LCh</sub>	78, 56.072, 79.879
Yxy	53.9445, 0.4372, 0.4282
Android (android.graphics.Color)	4293966169 (0xFFFF0B959)
YUV	190.5010, -50.0400, 43.4106
Hunter-Lab	73.4469, 5.3480, 37.7218

# Details

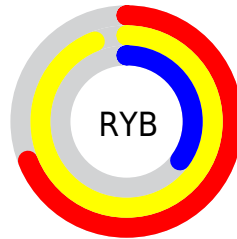
The XYZ color **55.0873, 53.9445, 16.9601** is a light color, and the websafe version is hex **FFCC66**. The color can be described as light muted orange. A complement of this color would be **29.8207, 28.3603, 86.3399**, and the grayscale version is **49.4882, 52.0654, 56.6992**.

A 20% lighter version of the original color is **77.5778, 86.1236, 38.1259**, and **27.3921, 26.3332, 5.3082** is the 20% darker color. If you saturate the color by 10%, you get **52.4667, 50.0619, 11.8991**, and if you desaturate by 10%, it is **58.1513, 58.1886, 23.7902**.

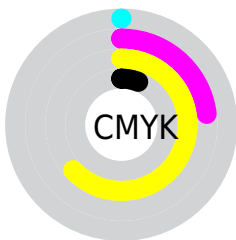
# Distribution



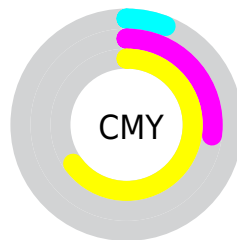
- Red (94%)
- Green (73%)
- Blue (35%)



- Red (69%)
- Yellow (94%)
- Blue (35%)



- Cyan (0%)
- Magenta (23%)
- Yellow (63%)
- Black (6%)




- Cyan (6%)
- Magenta (27%)
- Yellow (65%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 55.0873, 53.9445, 16.9601 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 55.0873, 53.9445, 16.9601 by changing the saturation by 10% instead.





 55.0873, 53.9445,  
16.9601


 55.0873, 53.9445,  
16.9601


396.3738,  
401.8983, 246.9785

 39.7057, 38.5573,  
10.0444


 96.8164, 95.9928,  
39.0469


 27.4924, 26.4155,  
5.3224


 123.8947,  
123.4226, 55.0550

 18.0819, 17.1347,  
2.3756


 155.6026,  
155.6354, 74.9310

 11.1088, 10.3306,  
0.7731

 192.3055,  
193.0156, 99.0935

 6.2079, 5.6187,  
0.0000

234.3687,  
235.9476, 127.9610

 3.0138, 2.6146,  
0.0000

282.1576,

 1.1610, 0.9340,

284.8158, 161.9519

0.0000

336.0375,  
340.0046, 201.4849

■ 0.0753, 0.0000,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 55.0873, 53.9445,  
16.9601

■ 55.0873, 53.9445,  
16.9601

■ 52.4667, 50.0619,  
11.8991

■ 58.1513, 58.1886,  
23.7902

■ 50.2503, 46.5155,  
8.4280


■ 61.6857, 62.8018,  
32.5387


■ 48.3972, 43.2878,  
6.3350


■ 65.7193, 67.8007,  
43.3424


■ 47.2595, 41.1743,  
5.4566

■ 70.2773, 73.1984,  
56.3250

 75.3831, 79.0071,  
71.5999

 81.0582, 85.2383,  
89.2729

 86.9990, 91.7734,  
107.7364

 89.7234, 97.2220,  
108.6445

 89.7449, 97.2651,  
108.6517

# Harmonies

## Analogous

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



66.1758, 53.9445, 23.4789



55.0873, 53.9445, 16.9601



44.3996, 53.9445, 18.1542

# Triad

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



55.0873, 53.9445, 16.9601



33.8153, 53.9445, 81.8826



69.2432, 53.9445, 107.1647

# Complementary

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



55.0873, 53.9445, 16.9601



29.8207, 28.3603, 86.3399

# 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.



58.8207, 53.9445, 136.2868



55.0873, 53.9445, 16.9601



38.7939, 53.9445, 118.4367

# Square

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



55.0873, 53.9445, 16.9601



33.1134, 53.9445, 48.7042



47.6383, 53.9445, 141.0230



75.0898, 53.9445, 70.0595



# Rectangle

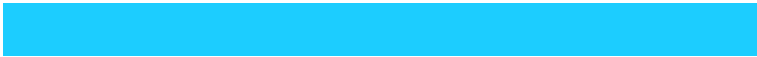
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



55.0873, 53.9445, 16.9601



38.8510, 53.9445, 23.3893



47.6383, 53.9445, 141.0230



66.0943, 53.9445, 118.7006

# Sweetspot

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



55.0886, 53.9471, 16.9612



82.8345, 86.5169, 71.0770



44.5698, 27.6952, 29.5299



17.3803, 18.1163, 14.1794



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.



55.0886, 53.9471, 16.9612



59.5800, 56.4706, 12.5730



62.4379, 78.2359, 21.2620



16.6107, 17.4346, 16.6394



26.0017, 22.8015, 3.0307



2.2574, 2.0854, 0.2835



# Inverse Universe

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



29.8207, 28.3603, 86.3399



28.5909, 25.1872, 97.9625



25.6240, 16.6963, 84.3097



15.3686, 16.1713, 20.0330



10.6091, 7.4424, 46.0052



0.9741, 0.8022, 3.8577



# Previews

## White Background



This preview shows how the XYZ color 55.0873, 53.9445, 16.9601 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 55.0873, 53.9445, 16.9601 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 55.0873, 53.9445, 16.9601

## Background



This preview shows how black text looks on a background with the XYZ color 55.0873, 53.9445, 16.9601.



This preview shows how white text looks on a background with the XYZ color 55.0873, 53.9445,



# 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

55.0873, 53.9445, 16.9601

### Protanopia

49.4712, 54.2500, 17.9891

### Deuteranopia

55.0873, 53.9445, 16.9601



## Tritanopia

62.9246, 53.8594, 54.6564

# Trichromacy



## Original Color

55.0873, 53.9445, 16.9601

## Protanomaly

51.2596, 53.8642, 17.5927

## Deuteranomaly

55.0873, 53.9445, 16.9601

## Tritanomaly

59.2441, 53.5203, 36.9137

# Monochromacy



## Original Color

55.0873, 53.9445, 16.9601

## Achromatopsia

49.5206, 52.0996, 56.7364

## Achromatomaly

50.3248, 52.2836, 38.0112

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 55.0873, 53.9445, 16.9601 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(240, 185, 89)` looks like.

```
.text, #text, p{  
    color:rgb(240, 185, 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(240, 185, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 185, 89) }
```

## Border

The CSS property to change the border of an element to XYZ 55.0873, 53.9445, 16.9601 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(240, 185, 89) }
```



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

```
.border{ border-color:rgb(240, 185, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 185, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 185, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 185, 89);  
box-shadow:4px 4px 4px 4px rgb(240, 185,  
89) }
```

# Background

The CSS property to change the background color of an element to XYZ 55.0873, 53.9445, 16.9601 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 185, 89) }
```

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

```
.background{ background-color: rgb(240,  
185, 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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