

# Converting Colors

XYZ(55.5989, 56.6334, 23.3302)

Have a look what the booklet for  
XYZ(55.5989, 56.6334, 23.3302)  
contains.

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# Color

**XYZ(55.5989, 56.6334,  
23.3302)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E9C170
RGB	233, 193, 112
RGB Percent	91%, 76%, 44%
CMY	0.0863, 0.2431, 0.5608
CMYK	0.00, 0.17, 0.52, 0.09
HSL	40°, 73%, 68%
HSV	40°, 52%, 91%
XYZ	55.5989, 56.6334, 23.3302
YIQ	195.7260, 49.8410, -16.7110

# Conversions

## Conversions Part 2

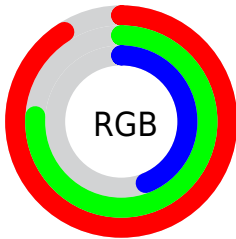
<b>Format</b>	<b>Color</b>
<b>RYB</b>	172, 233, 112
Decimal	15319408
CIELab	79.97, 4.49, 45.79
CIELCh	80, 46.011, 84.404
Yxy	56.6334, 0.4101, 0.4178
Android (android.graphics.Color)	4293509488 (0xFFE9C170)
YUV	195.7260, -41.2769, 32.6893
Hunter-Lab	75.2552, 0.1802, 34.2979

# Details

The XYZ color **55.5989, 56.6334, 23.3302** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **32.6180, 31.7833, 81.5063**, and the grayscale version is **52.5249, 55.2603, 60.1785**.

A 20% lighter version of the original color is **81.9072, 91.7280, 48.9856**, and **27.8996, 28.2070, 8.3889** is the 20% darker color. If you saturate the color by 10%, you get **52.8077, 52.8654, 16.8066**, and if you desaturate by 10%, it is **58.8172, 60.7184, 31.6533**.

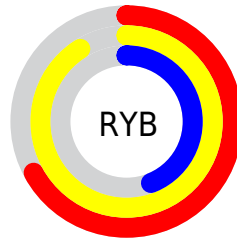
# Distribution



Red (91%)

Green (76%)

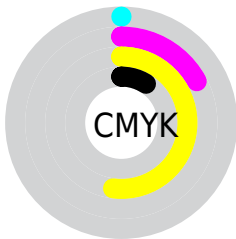
Blue (44%)



Red (67%)

Yellow (91%)

Blue (44%)

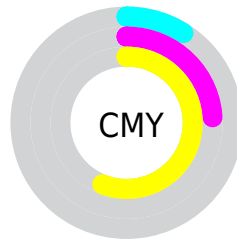


Cyan (0%)

Magenta (17%)

Yellow (52%)

Black (9%)



Cyan (9%)

Magenta (24%)

Yellow (56%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 55.5989, 56.6334, 23.3302 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 55.5989, 56.6334, 23.3302 by changing the saturation by 10% instead.



■ 55.5989, 56.6334,  
23.3302

■ 55.5989, 56.6334,  
23.3302

398.2777,  
412.0742, 282.5931

■ 40.1172, 40.7110,  
14.6299

■ 97.5611, 99.9301,  
49.8650

■ 27.8145, 28.0933,  
8.4163

■ 124.7723,  
128.0731, 68.5366

■ 18.3256, 18.3960,  
4.2709

■ 156.6240,  
161.0585, 91.3691

■ 11.2851, 11.2347,  
1.7751

■ 193.4815,  
199.2706, 118.7809

■ 6.3277, 6.2249,  
0.4115

235.7104,  
243.0938, 151.1907

■ 3.0879, 2.9823,  
0.0000

283.6758,

■ 1.2004, 1.1225,

292.9126, 189.0170

0.0000

337.7431,  
349.1112, 232.6783

■ 0.1067, 0.0000,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 55.5989, 56.6334,  
23.3302

■ 55.5989, 56.6334,  
23.3302

■ 52.8077, 52.8654,  
16.8066

■ 58.8172, 60.7184,  
31.6533

■ 50.4116, 49.3930,  
11.9392


■ 62.4834, 65.1244,  
41.8973


■ 48.3803, 46.2041,  
8.5685


■ 66.6218, 69.8653,  
54.1770

■ 46.6757, 43.2812,  
6.5013


■ 71.2532, 74.9513,  
68.5973


 45.4902, 41.0956,  
5.5347

 76.3974, 80.3925,  
85.2556

 82.0729, 86.1981,  
104.2434

 84.8893, 91.0138,  
107.7010

 87.2923, 95.8198,  
108.5020

 87.4142, 96.0636,  
108.5427

# Harmonies

## Analogous

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



64.9745, 56.6334, 28.5811



55.5989, 56.6334, 23.3302



46.7432, 56.6334, 25.6809

# Triad

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



55.5989, 56.6334, 23.3302



39.0726, 56.6334, 85.4525



69.7941, 56.6334, 96.7130

# Complementary

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



55.5989, 56.6334, 23.3302



32.6180, 31.7833, 81.5063

# 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.



61.5956, 56.6334, 121.3710



55.5989, 56.6334, 23.3302



44.0359, 56.6334, 113.6621

# Square

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



55.5989, 56.6334, 23.3302



37.8584, 56.6334, 56.7828



52.0958, 56.6334, 128.3331



73.7558, 56.6334, 66.8175



# Rectangle

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



55.5989, 56.6334, 23.3302



42.2134, 56.6334, 31.7315



52.0958, 56.6334, 128.3331



67.3995, 56.6334, 106.1979

# Sweetspot

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



55.6003, 56.6361, 23.3313



85.0109, 89.3407, 76.5163



45.0936, 31.1905, 33.4934



17.9447, 18.8466, 15.5964



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.



55.6003, 56.6361, 23.3313



64.6882, 64.7116, 20.3660



59.4559, 73.5689, 26.3965



15.9081, 16.7392, 15.9113



25.9303, 23.5549, 3.1799



2.1236, 2.0246, 0.2789



# Inverse Universe

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



32.6180, 31.7833, 81.5063



33.7415, 31.3006, 98.8710



30.0445, 22.3912, 79.8291



14.6379, 15.3622, 19.1160



9.9533, 6.5536, 44.4833



0.8668, 0.6851, 3.5214



# Previews

## White Background



This preview shows how the XYZ color 55.5989, 56.6334, 23.3302 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 55.5989, 56.6334, 23.3302 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 55.5989, 56.6334, 23.3302**

## **Background**



This preview shows how black text looks on a background with the XYZ color 55.5989, 56.6334, 23.3302.



This preview shows how white text looks on a background with the XYZ color 55.5989, 56.6334,



# 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

55.5989, 56.6334, 23.3302

### Protanopia

52.3741, 56.9672, 24.1549

### Deuteranopia

57.7962, 56.4647, 23.4754



## Tritanopia

63.2872, 56.5990, 60.4124

# Trichromacy



## Original Color

55.5989, 56.6334, 23.3302

## Protanomaly

53.3783, 56.8127, 23.7754

## Deuteranomaly

56.9907, 56.3699, 23.4995

## Tritanomaly

59.9132, 56.4710, 43.8186

# Monochromacy



## Original Color

55.5989, 56.6334, 23.3302

## Achromatopsia

52.4687, 55.2011, 60.1140

## Achromatomaly

52.6011, 55.3021, 43.4993

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 55.5989, 56.6334, 23.3302 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(233, 193, 112)` looks like.

```
.text, #text, p{  
    color:rgb(233, 193, 112)  
}
```

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(233, 193, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 193, 112) }
```

## Border

The CSS property to change the border of an element to XYZ 55.5989, 56.6334, 23.3302 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(233, 193, 112) }
```



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

```
.border{ border-color:rgb(233, 193, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 193, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(233, 193, 112); -webkit-box-shadow:4px 4px 4px 4px rgb(233, 193, 112); box-shadow:4px 4px 4px 4px rgb(233, 193, 112) }
```

# Background

The CSS property to change the background color of an element to XYZ 55.5989, 56.6334, 23.3302 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 193, 112) }
```

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

```
.background{ background-color: rgb(233,  
193, 112) }
```

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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