

Converting Colors

XYZ(53.7937, 56.6813, 11.2234)

Have a look what the booklet for
XYZ(53.7937, 56.6813, 11.2234)
contains.

XYZ(53.7169, 56.5929, 11.2243)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(53.7169, 56.5929,
11.2243)**

Conversions

Conversions Part 1

Format	Color
Hex	E9C333
RGB	233, 195, 51
RGB Percent	91%, 76%, 20%
CMY	0.0863, 0.2353, 0.8000
CMYK	0.00, 0.16, 0.78, 0.09
HSL	47°, 81%, 56%
HSV	47°, 78%, 91%
XYZ	53.7169, 56.5929, 11.2243
YIQ	189.9460, 68.8720, -36.7280

Conversions

Conversions Part 2

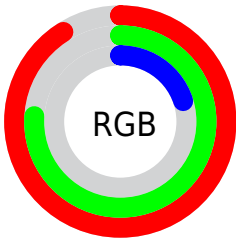
Format	Color
R _Y B	99, 233, 51
Decimal	15319859
CIE Lab	79.95, -0.19, 71.65
CIE LCh	80, 71.654, 90.150
Yxy	56.5929, 0.4420, 0.4657
Android (android.graphics.Color)	4293509939 (0xFFE9C333)
YUV	189.9460, -68.5004, 37.7584
Hunter-Lab	75.2283, -4.1911, 43.8135

Details

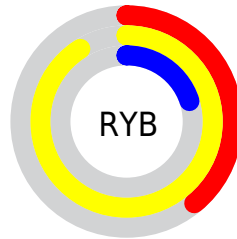
The XYZ color **53.7169, 56.5929, 11.2243** is a light color, and the websafe version is hex **FFCC33**. The color can be described as light washed yellow. A complement of this color would be **19.6456, 13.7316, 78.7051**, and the grayscale version is **49.2683, 51.8341, 56.4474**.

A 20% lighter version of the original color is **78.4975, 91.3585, 27.9647**, and **26.9066, 28.2302, 4.0309** is the 20% darker color. If you saturate the color by 10%, you get **52.2544, 54.2945, 8.8060**, and if you desaturate by 10%, it is **55.4746, 59.0706, 15.0106**.

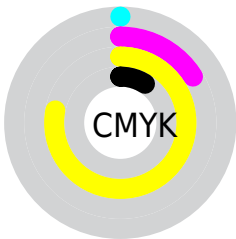
Distribution



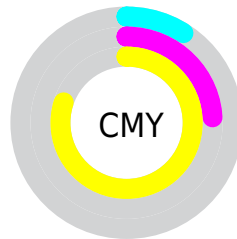
- Red (91%)
- Green (76%)
- Blue (20%)



- Red (39%)
- Yellow (91%)
- Blue (20%)



- Cyan (0%)
- Magenta (16%)
- Yellow (78%)
- Black (9%)





- Cyan (9%)
- Magenta (24%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 53.7169, 56.5929, 11.2243 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 53.7169, 56.5929, 11.2243 by changing the saturation by 10% instead.


 53.7169, 56.5929,
11.2243


 53.7169, 56.5929,
11.2243


391.2455,
411.9221, 209.9924

 38.6051, 40.6785,
6.1018


 94.8178, 99.8709,
28.7172

 26.6320, 28.0679,
2.8373


 121.5376,
128.0033, 41.9246


 17.4322, 18.3769,
1.0122


 152.8575,
160.9772, 58.6642

 10.6403, 11.2209,
0.0000

 189.1428,
199.1769, 79.3544

 5.8910, 6.2156,
0.0000

 230.7590,
242.9869, 104.4138

 2.8190, 2.9766,
0.0000

278.0712,

 1.0588, 1.1195,

292.7914, 134.2609

0.0000

331.4449,
348.9751, 169.3142

■ 0.0000, 0.0000,
0.0000

■ 53.7169, 56.5929,
11.2243

■ 53.7169, 56.5929,
11.2243

■ 52.2544, 54.2945,
8.8060

■ 55.4746, 59.0706,
15.0106

■ 51.0354, 52.1476,
7.5022

■ 57.5579, 61.7336,
20.3400

■ 50.8190, 51.7536,
7.3110

■ 59.9970, 64.5969,
27.3650

■ 62.8176, 67.6710,
36.2189

■ 66.0427, 70.9659,
47.0215

■ 69.6935, 74.4904,
59.8827

■ 73.7895, 78.2528,
74.9038

■ 78.3490, 82.2610,
92.1798

■ 82.4570, 86.1494,
106.8903

Harmonies

Analogous

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



68.9402, 56.5929, 14.9955



53.7169, 56.5929, 11.2243



40.9342, 56.5929, 15.0771

Triad

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



53.7169, 56.5929, 11.2243



33.0551, 56.5929, 111.2191



81.8650, 56.5929, 110.6833

Complementary

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



53.7169, 56.5929, 11.2243



19.6456, 13.7316, 78.7051

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.



69.0894, 56.5929, 160.0277



53.7169, 56.5929, 11.2243



41.0396, 56.5929, 160.4230

Square

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



53.7169, 56.5929, 11.2243



30.3960, 56.5929, 61.8293



53.8629, 56.5929, 181.3777



86.8714, 56.5929, 61.4113

Rectangle

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



53.7169, 56.5929, 11.2243



35.0543, 56.5929, 23.2353



53.8629, 56.5929, 181.3777



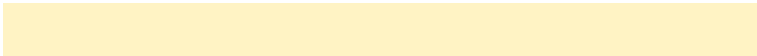
78.2353, 56.5929, 128.4854

Sweetspot

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



53.7182, 56.5956, 11.2254



83.2214, 89.2169, 65.2680



36.6522, 20.4373, 11.7838



17.4723, 18.7641, 12.7804



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.



53.7182, 56.5956, 11.2254



63.1503, 64.9391, 9.6694



48.8944, 68.3927, 13.7567



16.0695, 17.0620, 15.9651



28.9285, 29.5512, 4.1792



2.3385, 2.4542, 0.3505

Inverse Universe

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



19.6456, 13.7316, 78.7051



20.1618, 11.1438, 95.6961



21.4363, 11.1095, 78.1047



14.4860, 15.0584, 19.0653



9.0322, 4.7114, 44.1763



0.7771, 0.5056, 3.4915

Previews

White Background



This preview shows how the XYZ color 53.7169, 56.5929, 11.2243 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 53.7169, 56.5929, 11.2243 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 53.7169, 56.5929, 11.2243

Background



This preview shows how black text looks on a background with the XYZ color 53.7169, 56.5929, 11.2243.



This preview shows how white text looks on a background with the XYZ color 53.7169, 56.5929,

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

53.7169, 56.5929, 11.2243

Protanopia

51.4747, 56.7828, 11.4960

Deuteranopia

57.7160, 56.3725, 11.3291



Tritanopia

63.6539, 56.4961, 59.7745

Trichromacy



Original Color

53.7169, 56.5929, 11.2243

Protanomaly

52.4925, 56.9670, 11.4779

Deuteranomaly

56.2356, 56.5733, 11.3240

Tritanomaly

58.3249, 55.8745, 33.6974

Monochromacy



Original Color

53.7169, 56.5929, 11.2243

Achromatopsia

48.9429, 51.4918, 56.0745

Achromatomaly

48.9634, 52.6852, 32.0147

CSS Examples

Text

The CSS property to change the color of the text to XYZ 53.7169, 56.5929, 11.2243 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, 195, 51)` looks like.

```
.text, #text, p{  
    color:rgb(233, 195, 51)  
}
```

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, 195, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 195, 51) }
```

Border

The CSS property to change the border of an element to XYZ 53.7169, 56.5929, 11.2243 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, 195, 51) }
```


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

```
.border{ border-color:rgb(233, 195, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 195, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 195, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 195, 51);  
box-shadow:4px 4px 4px 4px rgb(233, 195,  
51) }
```

Background

The CSS property to change the background color of an element to XYZ 53.7169, 56.5929, 11.2243 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 195, 51) }
```

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

```
.background{ background-color: rgb(233,  
195, 51) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor