

Converting Colors

XYZ(61.3198, 57.4968, 11.6084)

Have a look what the booklet for
XYZ(61.3198, 57.4968, 11.6084)
contains.

XYZ(59.5127, 56.6633, 11.5418)	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(59.5127, 56.6633,
11.5418)**

Conversions

Conversions Part 1

Format	Color
Hex	FFBA38
RGB	255, 186, 56
RGB Percent	100%, 73%, 22%
CMY	0.0000, 0.2706, 0.7804
CMYK	0.00, 0.27, 0.78, 0.00
HSL	39°, 100%, 61%
HSV	39°, 78%, 100%
XYZ	59.5127, 56.6633, 11.5418
YIQ	191.8110, 82.8540, -25.8020

Conversions

Conversions Part 2

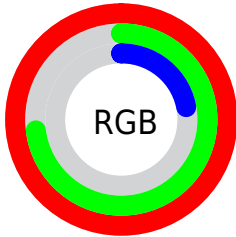
Format	Color
RYB	162, 255, 56
Decimal	16759352
CIELab	79.99, 14.00, 70.85
CIElCh	80, 72.218, 78.818
Yxy	56.6633, 0.4660, 0.4437
Android (android.graphics.Color)	4294949432 (0xFFFFBA38)
YUV	191.8110, -66.9548, 55.4168
Hunter-Lab	75.2750, 9.3914, 43.6017

Details

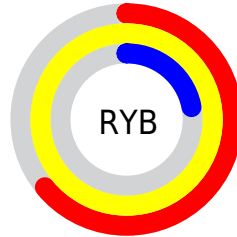
The XYZ color **59.5127, 56.6633, 11.5418** is a light color, and the websafe version is hex **FFCC33**. The color can be described as light washed orange. A complement of this color would be **27.0142, 22.7272, 97.5701**, and the grayscale version is **50.3386, 52.9601, 57.6736**.

A 20% lighter version of the original color is **75.9168, 85.9341, 27.9149**, and **30.3798, 28.1125, 3.8251** is the 20% darker color. If you saturate the color by 10%, you get **57.2355, 52.8661, 8.4499**, and if you desaturate by 10%, it is **62.2249, 60.8236, 16.3446**.

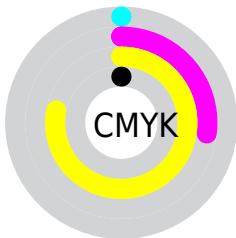
Distribution



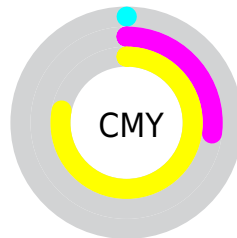
- Red (100%)
- Green (73%)
- Blue (22%)



- Red (64%)
- Yellow (100%)
- Blue (22%)



- Cyan (0%)
- Magenta (27%)
- Yellow (78%)
- Black (0%)



- Cyan (0%)
- Magenta (27%)
- Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 59.5127, 56.6633, 11.5418 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 59.5127, 56.6633, 11.5418 by changing the saturation by 10% instead.

59.5127, 56.6633,
11.5418

59.5127, 56.6633,
11.5418

412.6628,
412.1864, 212.2169

43.2739, 40.7350,
6.3138

103.2328, 99.9737,
29.3096

30.2956, 28.1121,
2.9649

131.4449,
128.1246, 42.6865

20.2122, 18.4101,
1.0768

164.3788,
161.1185, 59.6167

12.6586, 11.2449,
0.0000

202.3998,
199.3398, 80.5188

7.2692, 6.2318,
0.0000

245.8734,
243.1728, 105.8113

3.6789, 2.9865,
0.0000

295.1649,

1.5221, 1.1247,

293.0020, 135.9128

0.0000

350.6396,
349.2117, 171.2419

■ 0.3408, 0.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 59.5127, 56.6633,
11.5418

■ 59.5127, 56.6633,
11.5418

■ 57.2355, 52.8661,
8.4499

■ 62.2249, 60.8236,
16.3446

■ 55.3298, 49.3963,
6.7619

■ 65.4127, 65.3594,
23.0791

■ 54.9834, 48.7473,
6.5112

■ 69.1153, 70.2919,
31.9361

■ 73.3660, 75.6374,
43.0823

■ 78.1952, 81.4112,
56.6679

■ 83.6307, 87.6272,
72.8301

■ 89.6981, 94.2986,
91.6958

■ 95.0497, 99.9998,
108.9000

Harmonies

Analogous

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



74.6416, 56.6633, 18.6880



59.5127, 56.6633, 11.5418



45.2625, 56.6633, 12.4766

Triad

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



59.5127, 56.6633, 11.5418



31.3304, 56.6633, 91.5886



77.9921, 56.6633, 131.6201

Complementary

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



59.5127, 56.6633, 11.5418



27.0142, 22.7272, 97.5701

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.



63.4754, 56.6633, 174.0688



59.5127, 56.6633, 11.5418



37.3401, 56.6633, 144.6322

Square

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



59.5127, 56.6633, 11.5418



30.6578, 56.6633, 47.3226



48.5710, 56.6633, 179.6872



86.5302, 56.6633, 78.7215

Rectangle

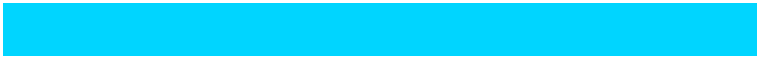
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



59.5127, 56.6633, 11.5418



38.0424, 56.6633, 17.7388



48.5710, 56.6633, 179.6872



73.5396, 56.6633, 148.4435

Sweetspot

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



59.5140, 56.6661, 11.5429



80.8564, 84.4869, 64.4797



46.3976, 25.5860, 22.1145



16.8948, 17.6092, 12.5879



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.



59.5140, 56.6661, 11.5429



56.0609, 50.7605, 7.3062



67.5718, 87.8367, 17.1347



19.0000, 19.9682, 18.9972



28.8752, 25.7616, 3.4506



2.9137, 2.7127, 0.3700

Inverse Universe

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



27.0142, 22.7272, 97.5701



22.6576, 16.1354, 96.5280



23.2886, 12.0202, 95.6998



17.5180, 18.4076, 22.8797



11.3977, 7.7050, 50.3211



1.2072, 0.9451, 4.9321

Previews

White Background



This preview shows how the XYZ color 59.5127, 56.6633, 11.5418 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 59.5127, 56.6633, 11.5418 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 59.5127, 56.6633, 11.5418

Background



This preview shows how black text looks on a background with the XYZ color 59.5127, 56.6633, 11.5418.



This preview shows how white text looks on a background with the XYZ color 59.5127, 56.6633,

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

59.5127, 56.6633, 11.5418

Protanopia

51.6443, 56.8506, 12.3890

Deuteranopia

57.9541, 56.8108, 11.5255



Tritanopia

66.3457, 56.7749, 55.6060

Trichromacy



Original Color

59.5127, 56.6633, 11.5418

Protanomaly

54.3165, 56.5512, 12.0557

Deuteranomaly

58.4565, 56.7515, 11.4876

Tritanomaly

62.5716, 56.2308, 32.7551

Monochromacy



Original Color

59.5127, 56.6633, 11.5418

Achromatopsia

50.1023, 52.7115, 57.4028

Achromatomaly

51.3957, 53.2572, 33.5574

CSS Examples

Text

The CSS property to change the color of the text to XYZ 59.5127, 56.6633, 11.5418 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(255, 186, 56)` looks like.

```
.text, #text, p{  
    color:rgb(255, 186, 56)  
}
```

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(255, 186, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 186, 56) }
```

Border

The CSS property to change the border of an element to XYZ 59.5127, 56.6633, 11.5418 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(255, 186, 56) }
```


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

```
.border{ border-color:rgb(255, 186, 56) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 186, 56)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 186, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 186, 56);  
box-shadow:4px 4px 4px 4px rgb(255, 186,  
56) }
```

Background

The CSS property to change the background color of an element to XYZ 59.5127, 56.6633, 11.5418 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 186, 56) }
```

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

```
.background{ background-color: rgb(255,  
186, 56) }
```

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