

Converting Colors

XYZ(64.6090, 58.0664, 16.2375)

Have a look what the booklet for
XYZ(64.6090, 58.0664, 16.2375)
contains.

XYZ(59.5682, 55.3560, 15.9327)	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(59.5682, 55.3560,
15.9327)**

Conversions

Conversions Part 1

Format	Color
Hex	FFB654
RGB	255, 182, 84
RGB Percent	100%, 71%, 33%
CMY	0.0000, 0.2862, 0.6706
CMYK	0.00, 0.29, 0.67, 0.00
HSL	34°, 100%, 66%
HSV	34°, 67%, 100%
XYZ	59.5682, 55.3560, 15.9327
YIQ	192.6550, 74.9660, -15.0020

Conversions

Conversions Part 2

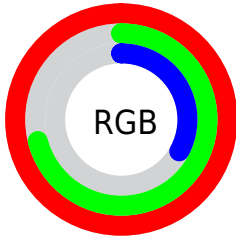
Format	Color
R _Y B	211, 255, 84
Decimal	16758356
CIE Lab	79.25, 17.34, 58.83
CIE LCh	79, 61.329, 73.572
Yxy	55.3560, 0.4552, 0.4230
Android (android.graphics.Color)	4294948436 (0xFFFFB654)
YUV	192.6550, -53.5669, 54.6766
Hunter-Lab	74.4016, 12.7097, 39.3845

Details

The XYZ color **59.5682, 55.3560, 15.9327** 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 **33.7625, 33.2173, 99.2393**, and the grayscale version is **50.7610, 53.4045, 58.1575**.

A 20% lighter version of the original color is **76.3299, 84.2152, 35.8991**, and **30.3202, 27.2586, 4.8258** is the 20% darker color. If you saturate the color by 10%, you get **56.6023, 50.7424, 10.8814**, and if you desaturate by 10%, it is **63.0733, 60.4671, 22.9573**.

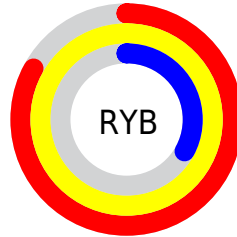
Distribution



Red (100%)

Green (71%)

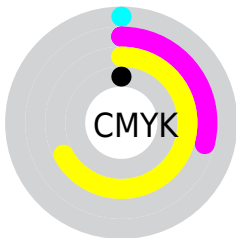
Blue (33%)



Red (83%)

Yellow (100%)

Blue (33%)

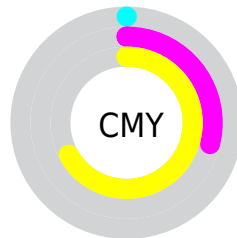


Cyan (0%)

Magenta (29%)

Yellow (67%)

Black (0%)



Cyan (0%)


Magenta (29%)


Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 59.5682, 55.3560, 15.9327 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 59.5682, 55.3560, 15.9327 by changing the saturation by 10% instead.


 59.5682, 55.3560,
15.9327


 59.5682, 55.3560,
15.9327


412.8646,
407.2600, 240.7764

 43.3188, 39.6868,
9.3227


 103.3129, 98.0624,
37.2465


 30.3309, 27.2944,
4.8526


 131.5390,
125.8683, 52.7874


 20.2392, 17.7945,
2.1038


 164.4880,
158.4887, 72.1423

 12.6783, 10.8025,
0.6180

 202.5253,
196.3078, 95.7298

 7.2829, 5.9342,
0.0000

 246.0163,
239.7101, 123.9684

 3.6875, 2.8051,
0.0000

295.3263,

 1.5269, 1.0309,

289.0800, 157.2767

0.0000

350.8206,
344.8018, 196.0732

■ 0.3440, 0.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 59.5682, 55.3560,
15.9327

■ 59.5682, 55.3560,
15.9327

■ 56.6023, 50.7424,
10.8814

■ 63.0733, 60.4671,
22.9573

■ 54.1262, 46.5935,
7.5798

■ 67.1530, 66.0890,
32.1398

■ 52.0841, 42.8827,
5.7475

■ 71.8435, 72.2445,
43.6468

■ 51.5416, 41.8636,
5.3639

■ 77.1763, 78.9519,
57.6275

■ 83.1808, 86.2283,
74.2185

■ 89.8840, 94.0901,
93.5465

95.0498, 99.9999,
108.9000

Harmonies

Analogous

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



71.6132, 55.3560, 24.6808



59.5682, 55.3560, 15.9327



47.2725, 55.3560, 15.5767

Triad

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



59.5682, 55.3560, 15.9327



32.8607, 55.3560, 77.5502



70.5977, 55.3560, 123.6305

Complementary

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



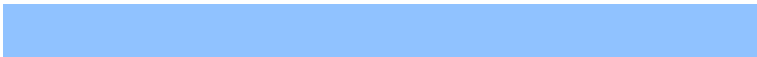
59.5682, 55.3560, 15.9327



33.7625, 33.2173, 99.2393

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.



58.3439, 55.3560, 152.6315



59.5682, 55.3560, 15.9327



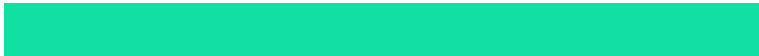
37.3131, 55.3560, 119.8292

Square

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



59.5682, 55.3560, 15.9327



33.0834, 55.3560, 43.1218



46.2237, 55.3560, 151.0192



78.6265, 55.3560, 81.4588

Rectangle

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



59.5682, 55.3560, 15.9327



40.6226, 55.3560, 19.7003



46.2237, 55.3560, 151.0192



66.7602, 55.3560, 135.8614

Sweetspot

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



59.5695, 55.3588, 15.9338



81.3431, 84.0277, 69.0585



50.5906, 30.0731, 35.5318



17.0469, 17.5454, 13.7730



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.



59.5695, 55.3588, 15.9338



55.8253, 49.4746, 9.7392



74.5296, 91.3213, 22.0867



18.8738, 19.7158, 18.9551



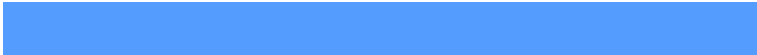
27.0830, 22.1771, 2.8532



2.7454, 2.3762, 0.3139

Inverse Universe

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



33.7625, 33.2173, 99.2393



28.5153, 26.1239, 98.1472



25.9817, 16.0156, 96.3291



17.6405, 18.6526, 22.9205



12.4216, 9.7527, 50.6624



1.3151, 1.1610, 4.9680

Previews

White Background



This preview shows how the XYZ color 59.5682, 55.3560, 15.9327 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 59.5682, 55.3560, 15.9327 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 59.5682, 55.3560, 15.9327

Background



This preview shows how black text looks on a background with the XYZ color 59.5682, 55.3560, 15.9327.



This preview shows how white text looks on a background with the XYZ color 59.5682, 55.3560,

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

59.5682, 55.3560, 15.9327

Protanopia

50.6411, 55.5425, 17.2842

Deuteranopia

56.6399, 55.3983, 15.8913



Tritanopia

65.4329, 55.4651, 53.7115

Trichromacy



Original Color

59.5682, 55.3560, 15.9327

Protanomaly

53.5249, 55.3763, 16.8845

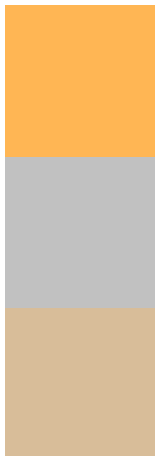
Deuteranomaly

57.6217, 55.2789, 15.8165

Tritanomaly

62.5852, 55.2707, 35.8035

Monochromacy



Original Color

59.5682, 55.3560, 15.9327

Achromatopsia

50.6879, 53.3276, 58.0738

Achromatomaly

52.2663, 53.2940, 37.6690

CSS Examples

Text

The CSS property to change the color of the text to XYZ 59.5682, 55.3560, 15.9327 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, 182, 84)` looks like.

```
.text, #text, p{  
  color:rgb(255, 182, 84)  
}
```

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, 182, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 182, 84) }
```

Border

The CSS property to change the border of an element to XYZ 59.5682, 55.3560, 15.9327 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, 182, 84) }
```


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

```
.border{ border-color:rgb(255, 182, 84) }
```

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

Here you see how a box with a 4 pixel rgb(255, 182, 84) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 182, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 182, 84);  
box-shadow:4px 4px 4px 4px rgb(255, 182,  
84) }
```

Background

The CSS property to change the background color of an element to XYZ 59.5682, 55.3560, 15.9327 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 182, 84) }
```

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

```
.background{ background-color: rgb(255,  
182, 84) }
```

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