

Converting Colors

XYZ(59.2510, 55.4528, 13.5728)

Have a look what the booklet for
XYZ(59.2510, 55.4528, 13.5728)
contains.

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Color

**XYZ(59.3108, 55.5819,
13.5636)**

Conversions

Conversions Part 1

Format	Color
Hex	FFB747
RGB	255, 183, 71
RGB Percent	100%, 72%, 28%
CMY	0.0000, 0.2823, 0.7216
CMYK	0.00, 0.28, 0.72, 0.00
HSL	37°, 100%, 64%
HSV	37°, 72%, 100%
XYZ	59.3108, 55.5819, 13.5636
YIQ	191.7600, 78.8640, -19.5680

Conversions

Conversions Part 2

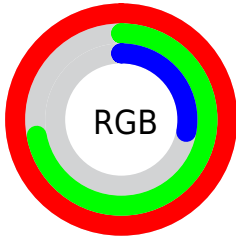
Format	Color
RYB	189, 255, 71
Decimal	16758599
CIELab	79.38, 16.17, 64.55
CIELCh	79, 66.549, 75.938
Yxy	55.5819, 0.4617, 0.4327
Android (android.graphics.Color)	4294948679 (0xFFFFB747)
YUV	191.7600, -59.5347, 55.4615
Hunter-Lab	74.5533, 11.5373, 41.4006

Details

The XYZ color **59.3108, 55.5819, 13.5636** is a light color, and the websafe version is hex **FFCC66**. The color can be described as light washed orange. A complement of this color would be **30.4705, 28.2033, 98.4449**, and the grayscale version is **50.2684, 52.8862, 57.5931**.

A 20% lighter version of the original color is **75.8082, 84.4737, 31.7116**, and **30.2527, 27.4434, 3.8175** is the 20% darker color. If you saturate the color by 10%, you get **56.6724, 51.3517, 9.4587**, and if you desaturate by 10%, it is **62.4408, 60.2467, 19.5260**.

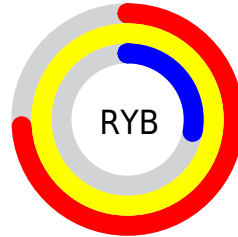
Distribution



Red (100%)

Green (72%)

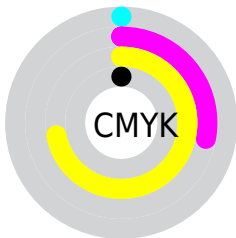
Blue (28%)



Red (74%)

Yellow (100%)

Blue (28%)

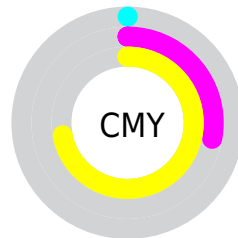


Cyan (0%)

Magenta (28%)

Yellow (72%)

Black (0%)



Cyan (0%)


Magenta (28%)


Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 59.3108, 55.5819, 13.5636 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 59.3108, 55.5819, 13.5636 by changing the saturation by 10% instead.


 59.3108, 55.5819,
13.5636


 59.3108, 55.5819,
13.5636


411.9283,
408.1139, 225.8320

 43.1107, 39.8678,
7.6825


 102.9413, 98.3930,
33.0186

 30.1669, 27.4355,
3.8076


 131.1024,
126.2588, 47.4295


 20.1140, 17.9006,
1.5204


 163.9812,
158.9440, 65.5209

 12.5867, 10.8786,
0.2331

 201.9431,
196.8329, 87.7111

 7.2196, 5.9853,
0.0000

 245.3533,
240.3099, 114.4188

 3.6474, 2.8361,
0.0000

294.5774,

 1.5046, 1.0468,

289.7595, 146.0625

0.0000

349.9806,
345.5661, 183.0607

■ 0.3290, 0.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 59.3108, 55.5819,
13.5636

■ 59.3108, 55.5819,
13.5636

■ 56.6724, 51.3517,
9.4587

■ 62.4408, 60.2467,
19.5260

■ 54.4725, 47.5233,
6.9639

■ 66.0997, 65.3589,
27.5451

■ 52.9986, 44.7776,
5.8496

■ 70.3247, 70.9402,
37.7976

■ 75.1482, 77.0079,
50.4401

80.5998, 83.5781,
65.6150

86.7067, 90.6660,
83.4535

93.4947, 98.2859,
104.0778

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.



72.7548, 55.5819, 21.5860



59.3108, 55.5819, 13.5636



46.0923, 55.5819, 13.7947

Triad

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



59.3108, 55.5819, 13.5636



31.8001, 55.5819, 83.0215



73.4928, 55.5819, 127.3473

Complementary

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



59.3108, 55.5819, 13.5636



30.4705, 28.2033, 98.4449

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.



60.1919, 55.5819, 162.2310



59.3108, 55.5819, 13.5636



36.9202, 55.5819, 130.1622

Square

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



59.3108, 55.5819, 13.5636



31.6453, 55.5819, 44.3648



46.8374, 55.5819, 163.4360



81.8286, 55.5819, 80.1844

Rectangle

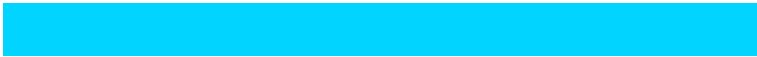
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



59.3108, 55.5819, 13.5636



39.1565, 55.5819, 18.3929



46.8374, 55.5819, 163.4360



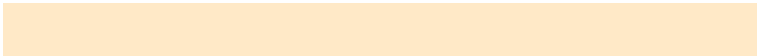
69.3627, 55.5819, 141.6312

Sweetspot

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



59.3121, 55.5847, 13.5647



80.6902, 83.6848, 65.8719



48.5733, 27.7988, 29.4330



16.9404, 17.5194, 13.1609



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.



59.3121, 55.5847, 13.5647



55.5556, 49.4485, 8.0663



71.6887, 89.9101, 19.5378



18.9297, 19.8275, 18.9737



27.8426, 23.6965, 3.1064



2.8173, 2.5200, 0.3379

Inverse Universe

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



30.4705, 28.2033, 98.4449



25.3929, 20.9676, 97.3165



24.4619, 13.8707, 95.9951



17.5859, 18.5435, 22.9023



11.9361, 8.7818, 50.5005



1.2647, 1.0602, 4.9512

Previews

White Background



This preview shows how the XYZ color 59.3108, 55.5819, 13.5636 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 59.3108, 55.5819, 13.5636 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 59.3108, 55.5819, 13.5636

Background



This preview shows how black text looks on a background with the XYZ color 59.3108, 55.5819, 13.5636.



This preview shows how white text looks on a background with the XYZ color 59.3108, 55.5819,

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

59.3108, 55.5819, 13.5636

Protanopia

50.7515, 55.6561, 14.7244

Deuteranopia

56.8819, 55.5757, 13.5235



Tritanopia

65.4329, 55.4651, 53.7115

Trichromacy



Original Color

59.3108, 55.5819, 13.5636

Protanomaly

53.6899, 55.5173, 14.3647

Deuteranomaly

57.7313, 55.6997, 13.5027

Tritanomaly

62.1944, 55.1144, 33.7457

Monochromacy



Original Color

59.3108, 55.5819, 13.5636

Achromatopsia

50.1023, 52.7115, 57.4028

Achromatomaly

51.5672, 52.9804, 35.5253

CSS Examples

Text

The CSS property to change the color of the text to XYZ 59.3108, 55.5819, 13.5636 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, 183, 71)` looks like.

```
.text, #text, p{  
    color:rgb(255, 183, 71)  
}
```

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, 183, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 183, 71) }
```

Border

The CSS property to change the border of an element to XYZ 59.3108, 55.5819, 13.5636 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, 183, 71) }
```


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

```
.border{ border-color:rgb(255, 183, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 183, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 183, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 183, 71);  
box-shadow:4px 4px 4px 4px rgb(255, 183,  
71) }
```

Background

The CSS property to change the background color of an element to XYZ 59.3108, 55.5819, 13.5636 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 183, 71) }
```

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

```
.background{ background-color: rgb(255,  
183, 71) }
```

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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