

Converting Colors

XYZ(87.8836, 69.8104, 16.9720)

Have a look what the booklet for
XYZ(87.8836, 69.8104, 16.9720)
contains.

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Color

**XYZ(59.5293, 55.3404,
15.7279)**

Conversions

Conversions Part 1

Format	Color
Hex	FFB653
RGB	255, 182, 83
RGB Percent	100%, 71%, 33%
CMY	0.0000, 0.2862, 0.6745
CMYK	0.00, 0.29, 0.67, 0.00
HSL	35°, 100%, 66%
HSV	35°, 67%, 100%
XYZ	59.5293, 55.3404, 15.7279
YIQ	192.5410, 75.2870, -15.3130

Conversions

Conversions Part 2

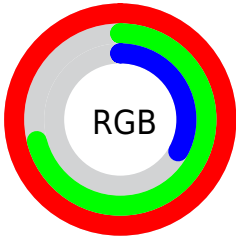
Format	Color
R_{YB}	210, 255, 83
Decimal	16758355
CIE _{Lab}	79.24, 17.29, 59.26
CIE _{LCh}	79, 61.734, 73.736
Yxy	55.3404, 0.4558, 0.4237
Android (android.graphics.Color)	4294948435 (0xFFFFB653)
YUV	192.5410, -54.0037, 54.7765
Hunter-Lab	74.3911, 12.6549, 39.5386

Details

The XYZ color **59.5293, 55.3404, 15.7279** 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 **33.5052, 32.8346, 99.1790**, and the grayscale version is **50.6963, 53.3364, 58.0834**.

A 20% lighter version of the original color is **76.2585, 84.1866, 35.5229**, and **30.3080, 27.2537, 4.7617** is the 20% darker color. If you saturate the color by 10%, you get **56.5888, 50.7561, 10.7514**, and if you desaturate by 10%, it is **63.0055, 60.4175, 22.6692**.

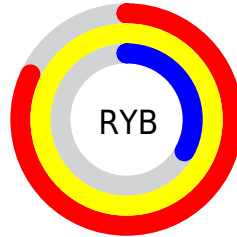
Distribution



Red (100%)

Green (71%)

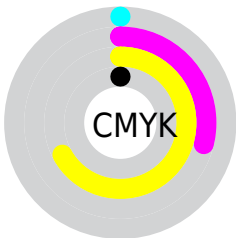
Blue (33%)



Red (82%)

Yellow (100%)

Blue (33%)

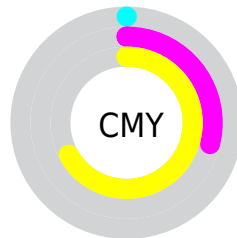


Cyan (0%)

Magenta (29%)

Yellow (67%)

Black (0%)



Cyan (0%)


Magenta (29%)


Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 59.5293, 55.3404, 15.7279 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 59.5293, 55.3404, 15.7279 by changing the saturation by 10% instead.


 59.5293, 55.3404,
15.7279


 59.5293, 55.3404,
15.7279


412.7232,
407.2010, 239.5214


 43.2874, 39.6743,
9.1796


 103.2568, 98.0395,
36.8854


 30.3061, 27.2847,
4.7601


 131.4730,
125.8413, 52.3316


 20.2203, 17.7872,
2.0509


 164.4115,
158.4572, 71.5808

 12.6645, 10.7973,
0.5863

 202.4374,
196.2715, 95.0516

 7.2733, 5.9307,
0.0000

 245.9162,
239.6687, 123.1625

 3.6815, 2.8030,
0.0000

295.2131,

 1.5235, 1.0298,

289.0330, 156.3321

0.0000

350.6937,
344.7490, 194.9789

■ 0.3418, 0.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 59.5293, 55.3404,
15.7279

■ 59.5293, 55.3404,
15.7279

■ 56.5888, 50.7561,
10.7514

■ 63.0055, 60.4175,
22.6692

■ 54.1344, 46.6319,
7.5144

■ 67.0529, 66.0009,
31.7608

■ 52.1087, 42.9408,
5.7287

■ 71.7078, 72.1131,
43.1700

■ 51.6396, 42.0594,
5.3966

■ 77.0018, 78.7723,
57.0467

82.9642, 85.9957,
73.5279

89.6222, 93.7995,
92.7406

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.



71.6761, 55.3404, 24.4254



59.5293, 55.3404, 15.7279



47.1634, 55.3404, 15.4131

Triad

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



59.5293, 55.3404, 15.7279



32.7510, 55.3404, 77.8775



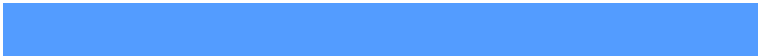
70.7700, 55.3404, 123.9086

Complementary

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



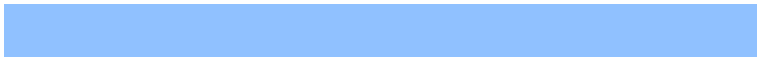
59.5293, 55.3404, 15.7279



33.5052, 32.8346, 99.1790

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.



58.4378, 55.3404, 153.3212



59.5293, 55.3404, 15.7279



37.2489, 55.3404, 120.5117

Square

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



59.5293, 55.3404, 15.7279



32.9490, 55.3404, 43.1563



46.2293, 55.3404, 151.8794



78.8274, 55.3404, 81.3646

Rectangle

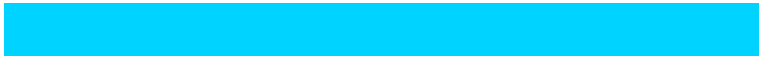
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



59.5293, 55.3404, 15.7279



40.4903, 55.3404, 19.5672



46.2293, 55.3404, 151.8794



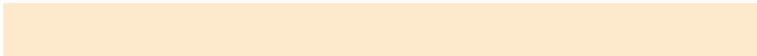
66.9099, 55.3404, 136.2865

Sweetspot

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



59.5306, 55.3432, 15.7290



81.3790, 84.0994, 69.0704



50.4649, 29.8995, 35.2496



17.0555, 17.5626, 13.7758



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.



59.5306, 55.3432, 15.7290



55.6645, 49.2405, 9.4158



74.4676, 91.2938, 21.8809



18.8777, 19.7235, 18.9564



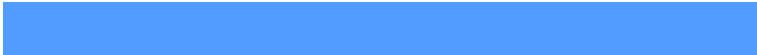
27.1340, 22.2793, 2.8702



2.7503, 2.3859, 0.3156

Inverse Universe

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



33.5052, 32.8346, 99.1790



28.1094, 25.4978, 98.0478



25.8078, 15.8116, 96.2989



17.6367, 18.6450, 22.9192



12.3861, 9.6818, 50.6505



1.3115, 1.1537, 4.9668

Previews

White Background



This preview shows how the XYZ color 59.5293, 55.3404, 15.7279 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 59.5293, 55.3404, 15.7279 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 59.5293, 55.3404, 15.7279

Background



This preview shows how black text looks on a background with the XYZ color 59.5293, 55.3404, 15.7279.



This preview shows how white text looks on a background with the XYZ color 59.5293, 55.3404,

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

59.5293, 55.3404, 15.7279

Protanopia

50.6000, 55.5261, 17.0675

Deuteranopia

56.6015, 55.3829, 15.6894



Tritanopia

65.4329, 55.4651, 53.7115

Trichromacy



Original Color

59.5293, 55.3404, 15.7279

Protanomaly

53.4843, 55.3601, 16.6707

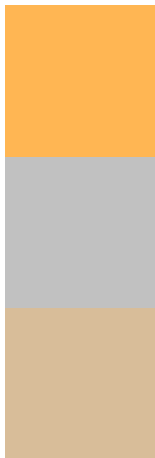
Deuteranomaly

57.5834, 55.2636, 15.6146

Tritanomaly

62.5852, 55.2707, 35.8035

Monochromacy



Original Color

59.5293, 55.3404, 15.7279

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 59.5293, 55.3404, 15.7279 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, 83)` looks like.

```
.text, #text, p{  
    color:rgb(255, 182, 83)  
}
```

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, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 182, 83) }
```

Border

The CSS property to change the border of an element to XYZ 59.5293, 55.3404, 15.7279 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, 83) }
```


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

```
.border{ border-color:rgb(255, 182, 83) }
```

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, 83) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 182, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 182, 83);  
box-shadow:4px 4px 4px 4px rgb(255, 182,  
83) }
```

Background

The CSS property to change the background color of an element to XYZ 59.5293, 55.3404, 15.7279 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, 83) }
```

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

```
.background{ background-color: rgb(255,  
182, 83) }
```

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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