

Converting Colors

XYZ(64.3470, 57.4490, 15.4036)

Have a look what the booklet for
XYZ(64.3470, 57.4490, 15.4036)
contains.

XYZ(59.2491, 54.9018, 15.2589)	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(59.2491, 54.9018,
15.2589)**

Conversions

Conversions Part 1

Format	Color
Hex	FFB551
RGB	255, 181, 81
RGB Percent	100%, 71%, 32%
CMY	0.0000, 0.2902, 0.6823
CMYK	0.00, 0.29, 0.68, 0.00
HSL	34°, 100%, 66%
HSV	34°, 68%, 100%
XYZ	59.2491, 54.9018, 15.2589
YIQ	191.7260, 76.2040, -15.4120

Conversions

Conversions Part 2

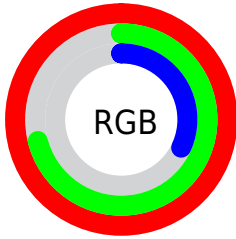
Format	Color
R_{YB}	210, 255, 81
Decimal	16758097
CIE _{Lab}	78.98, 17.70, 59.88
CIE _{LCh}	79, 62.445, 73.529
Yxy	54.9018, 0.4578, 0.4242
Android (android.graphics.Color)	4294948177 (0xFFFFB551)
YUV	191.7260, -54.5879, 55.4913
Hunter-Lab	74.0957, 13.0662, 39.6571

Details

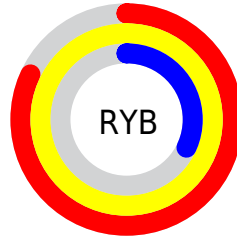
The XYZ color **59.2491, 54.9018, 15.2589** is a light color, and the websafe version is hex **FFCC66**. The color can be described as light muted orange. A complement of this color would be **33.1641, 32.4106, 99.1152**, and the grayscale version is **50.2215, 52.8370, 57.5395**.

A 20% lighter version of the original color is **75.8273, 83.5496, 34.6844**, and **30.1428, 26.9779, 4.5383** is the 20% darker color. If you saturate the color by 10%, you get **56.3468, 50.3511, 10.4269**, and if you desaturate by 10%, it is **62.6844, 59.9448, 22.0398**.

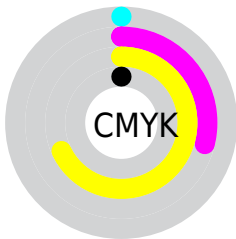
Distribution



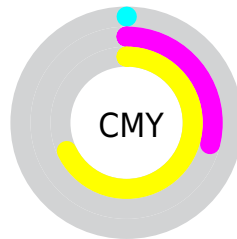
- Red (100%)
- Green (71%)
- Blue (32%)



- Red (82%)
- Yellow (100%)
- Blue (32%)



- Cyan (0%)
- Magenta (29%)
- Yellow (68%)
- Black (0%)





- Cyan (0%)
- Magenta (29%)
- Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 59.2491, 54.9018, 15.2589 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 59.2491, 54.9018, 15.2589 by changing the saturation by 10% instead.


 59.2491, 54.9018,
15.2589

 59.2491, 54.9018,
15.2589


411.7036,
405.5396, 236.6225


 43.0608, 39.3231,
8.8527


 102.8522, 97.3971,
36.0554


 30.1276, 27.0112,
4.5497


 130.9977,
125.0824, 51.2828


 20.0840, 17.5816,
1.9315


 163.8596,
157.5721, 70.2876

 12.5647, 10.6500,
0.5127

 201.8034,
195.2506, 93.4884

 7.2044, 5.8320,
0.0000

 245.1943,
238.5021, 121.3038

 3.6377, 2.7432,
0.0000

294.3978,

 1.4993, 0.9992,

287.7112, 154.1522

0.0000

349.7791,
343.2622, 192.4523

■ 0.3254, 0.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 59.2491, 54.9018,
15.2589

■ 59.2491, 54.9018,
15.2589

■ 56.3468, 50.3511,
10.4269

■ 62.6844, 59.9448,
22.0398

■ 53.9272, 46.2598,
7.3152

■ 66.6887, 65.4937,
30.9575

■ 51.9290, 42.5989,
5.6148

■ 71.2986, 71.5714,
42.1806

■ 51.6052, 41.9908,
5.3851

■ 76.5459, 78.1961,
55.8601

■ 82.4601, 85.3852,
72.1341

■ 89.0686, 93.1549,
91.1301

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.



71.4785, 54.9018, 23.9681



59.2491, 54.9018, 15.2589



46.7936, 54.9018, 14.8963

Triad

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



59.2491, 54.9018, 15.2589



32.2406, 54.9018, 77.2455



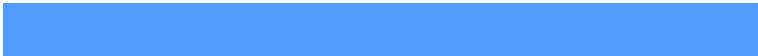
70.4149, 54.9018, 124.3254

Complementary

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



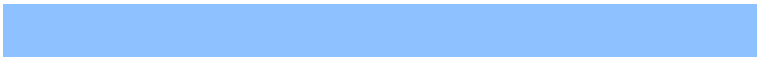
59.2491, 54.9018, 15.2589



33.1641, 32.4106, 99.1152

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.



57.9700, 54.9018, 153.9549



59.2491, 54.9018, 15.2589



36.7151, 54.9018, 120.3253

Square

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



59.2491, 54.9018, 15.2589



32.4712, 54.9018, 42.4115



45.7014, 54.9018, 152.2543



78.5917, 54.9018, 81.3379

Rectangle

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



59.2491, 54.9018, 15.2589



40.0738, 54.9018, 18.9749



45.7014, 54.9018, 152.2543



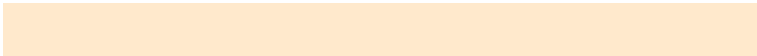
66.5135, 54.9018, 136.8197

Sweetspot

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



59.2504, 54.9045, 15.2599



81.3664, 84.0743, 69.0662



50.2172, 29.5591, 34.6897



17.0525, 17.5566, 13.7748



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.



59.2504, 54.9045, 15.2599



55.3819, 48.7578, 9.0667



74.3454, 91.2396, 21.4777



18.8763, 19.7208, 18.9559



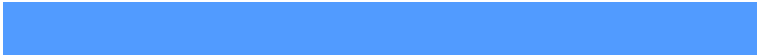
27.1161, 22.2435, 2.8642



2.7486, 2.3825, 0.3150

Inverse Universe

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



33.1641, 32.4106, 99.1152



27.8112, 25.0764, 97.9822



25.4666, 15.4117, 96.2398



17.6380, 18.6476, 22.9197



12.3985, 9.7066, 50.6547



1.3128, 1.1562, 4.9673

Previews

White Background



This preview shows how the XYZ color 59.2491, 54.9018, 15.2589 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 59.2491, 54.9018, 15.2589 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

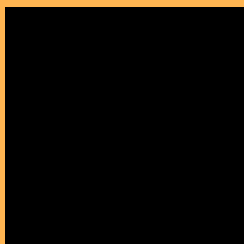
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 59.2491, 54.9018, 15.2589

Background



This preview shows how black text looks on a background with the XYZ color 59.2491, 54.9018, 15.2589.



This preview shows how white text looks on a background with the XYZ color 59.2491, 54.9018,

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

59.2491, 54.9018, 15.2589

Protanopia

50.3331, 55.0572, 16.7784

Deuteranopia

56.3151, 54.9301, 15.2239



Tritanopia

65.1330, 55.0349, 53.0889

Trichromacy



Original Color

59.2491, 54.9018, 15.2589

Protanomaly

53.1860, 54.8906, 16.1792

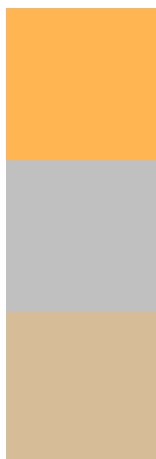
Deuteranomaly

57.2999, 54.8166, 15.1501

Tritanomaly

62.2286, 54.8109, 34.9035

Monochromacy



Original Color

59.2491, 54.9018, 15.2589

Achromatopsia

50.1023, 52.7115, 57.4028

Achromatomaly

51.6750, 52.6805, 37.1506

CSS Examples

Text

The CSS property to change the color of the text to XYZ 59.2491, 54.9018, 15.2589 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, 181, 81)` looks like.

```
.text, #text, p{  
    color:rgb(255, 181, 81)  
}
```

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, 181, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 181, 81) }
```

Border

The CSS property to change the border of an element to XYZ 59.2491, 54.9018, 15.2589 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, 181, 81) }
```


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

```
.border{ border-color:rgb(255, 181, 81) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 181, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 181, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 181, 81);  
box-shadow:4px 4px 4px 4px rgb(255, 181,  
81) }
```

Background

The CSS property to change the background color of an element to XYZ 59.2491, 54.9018, 15.2589 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 181, 81) }
```

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

```
.background{ background-color: rgb(255,  
181, 81) }
```

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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