

Converting Colors

XYZ(58.8617, 54.5860, 13.7149)

Have a look what the booklet for
XYZ(58.8617, 54.5860, 13.7149)
contains.

XYZ(58.9665, 54.7888, 13.7708)	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(58.9665, 54.7888,
13.7708)**

Conversions

Conversions Part 1

Format	Color
Hex	FFB549
RGB	255, 181, 73
RGB Percent	100%, 71%, 29%
CMY	0.0000, 0.2902, 0.7137
CMYK	0.00, 0.29, 0.71, 0.00
HSL	36°, 100%, 64%
HSV	36°, 71%, 100%
XYZ	58.9665, 54.7888, 13.7708
YIQ	190.8140, 78.7720, -17.9000

Conversions

Conversions Part 2

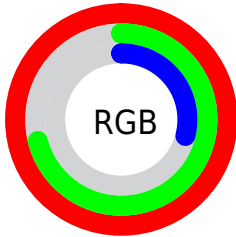
Format	Color
R_{YB}	198, 255, 73
Decimal	16758089
CIE Lab	78.92, 17.31, 63.26
CIE LCh	79, 65.587, 74.701
Yxy	54.7888, 0.4624, 0.4296
Android (android.graphics.Color)	4294948169 (0xFFFFB549)
YUV	190.8140, -58.0823, 56.2911
Hunter-Lab	74.0195, 12.6653, 40.7831

Details

The XYZ color **58.9665, 54.7888, 13.7708** 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 **31.2309, 29.5027, 98.6557**, and the grayscale version is **49.7088, 52.2976, 56.9520**.

A 20% lighter version of the original color is **75.3550, 83.3607, 32.1973**, and **30.0221, 26.9296, 3.9028** is the 20% darker color. If you saturate the color by 10%, you get **56.2580, 50.4591, 9.5174**, and if you desaturate by 10%, it is **62.1807, 59.5763, 19.9024**.

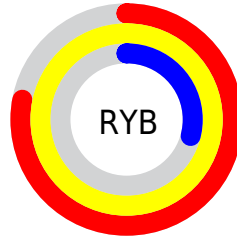
Distribution



Red (100%)

Green (71%)

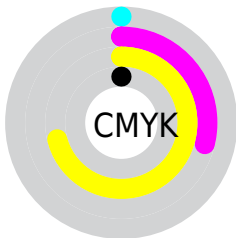
Blue (29%)



Red (78%)

Yellow (100%)

Blue (29%)

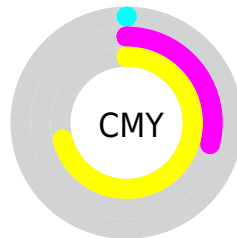


Cyan (0%)

Magenta (29%)

Yellow (71%)

Black (0%)



Cyan (0%)

Magenta (29%)

Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 58.9665, 54.7888, 13.7708 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 58.9665, 54.7888, 13.7708 by changing the saturation by 10% instead.


 58.9665, 54.7888,
13.7708


 58.9665, 54.7888,
13.7708


410.6738,
405.1108, 227.1789

 42.8324, 39.2327,
7.8245


 102.4439, 97.2314,
33.3930


 29.9476, 26.9408,
3.8967


 130.5179,
124.8867, 47.9061


 19.9467, 17.5287,
1.5688


 163.3026,
157.3439, 66.1117

 12.4643, 10.6122,
0.2684

 201.1633,
194.9872, 88.4286

 7.1352, 5.8067,
0.0000

 244.4655,
238.2012, 115.2752

 3.5939, 2.7279,
0.0000

293.5743,

 1.4750, 0.9914,

287.3702, 147.0701

0.0000

348.8553,
342.8786, 184.2318

■ 0.3088, 0.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 58.9665, 54.7888,
13.7708

■ 58.9665, 54.7888,
13.7708

■ 56.2580, 50.4591,
9.5174

■ 62.1807, 59.5763,
19.9024

■ 54.0027, 46.5540,
6.8988

■ 65.9380, 64.8351,
28.1090

■ 52.3590, 43.4984,
5.6364

■ 70.2755, 70.5873,
38.5657

■ 75.2258, 76.8510,
51.4280

80.8186, 83.6427,
66.8375

87.0813, 90.9783,
84.9247

94.0398, 98.8727,
105.8111

95.0497, 99.9999,
108.9000

Harmonies

Analogous

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



71.9813, 54.7888, 22.0903



58.9665, 54.7888, 13.7708



45.9746, 54.7888, 13.6981

Triad

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



58.9665, 54.7888, 13.7708



31.4130, 54.7888, 79.7716



71.7523, 54.7888, 126.5372

Complementary

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



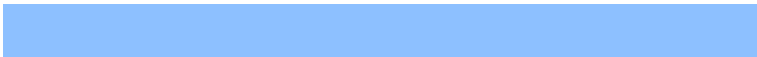
58.9665, 54.7888, 13.7708



31.2309, 29.5027, 98.6557

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.



58.6927, 54.7888, 159.4000



58.9665, 54.7888, 13.7708



36.2255, 54.7888, 125.6657

Square

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



58.9665, 54.7888, 13.7708



31.4613, 54.7888, 42.6616



45.7427, 54.7888, 159.0274



80.1593, 54.7888, 80.6521

Rectangle

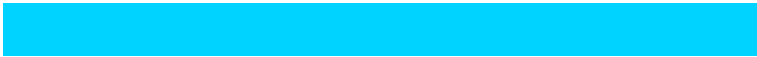
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



58.9665, 54.7888, 13.7708



39.0793, 54.7888, 17.9838



45.7427, 54.7888, 159.0274



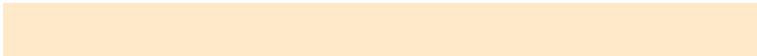
67.6733, 54.7888, 140.1846

Sweetspot

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



58.9678, 54.7915, 13.7718



81.0393, 83.9056, 67.4605



49.0342, 28.1901, 31.2217



16.9997, 17.5452, 13.4666



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.



58.9678, 54.7915, 13.7718



55.1612, 48.6003, 8.1186



72.8410, 90.4967, 19.9324



18.9056, 19.7795, 18.9657



27.5093, 23.0299, 2.9953



2.7859, 2.4571, 0.3274

Inverse Universe

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



31.2309, 29.5027, 98.6557



26.0829, 22.2212, 97.5221



24.4733, 14.0685, 96.0328



17.6093, 18.5903, 22.9101



12.1385, 9.1866, 50.5680



1.2859, 1.1025, 4.9583

Previews

White Background



This preview shows how the XYZ color 58.9665, 54.7888, 13.7708 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 58.9665, 54.7888, 13.7708 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 58.9665, 54.7888, 13.7708

Background



This preview shows how black text looks on a background with the XYZ color 58.9665, 54.7888, 13.7708.



This preview shows how white text looks on a background with the XYZ color 58.9665, 54.7888,

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

58.9665, 54.7888, 13.7708

Protanopia

49.9929, 54.9211, 14.9871

Deuteranopia

56.0045, 54.8058, 13.5881



Tritanopia

64.8353, 54.6078, 52.4706

Trichromacy



Original Color

58.9665, 54.7888, 13.7708

Protanomaly

52.8903, 54.7723, 14.6220

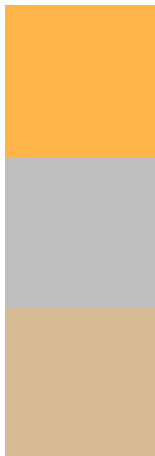
Deuteranomaly

57.0216, 54.7053, 13.6847

Tritanomaly

61.7994, 54.3243, 33.6140

Monochromacy



Original Color

58.9665, 54.7888, 13.7708

Achromatopsia

49.5206, 52.0996, 56.7364

Achromatomaly

50.8472, 51.9749, 35.3692

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.9665, 54.7888, 13.7708 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, 73)` looks like.

```
.text, #text, p{  
    color:rgb(255, 181, 73)  
}
```

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, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 181, 73) }
```

Border

The CSS property to change the border of an element to XYZ 58.9665, 54.7888, 13.7708 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, 73) }
```


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

```
.border{ border-color:rgb(255, 181, 73) }
```

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, 73)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 181, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 181, 73);  
box-shadow:4px 4px 4px 4px rgb(255, 181,  
73) }
```

Background

The CSS property to change the background color of an element to XYZ 58.9665, 54.7888, 13.7708 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, 73) }
```

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

```
.background{ background-color: rgb(255,  
181, 73) }
```

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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