

Converting Colors

XYZ(84.1571, 65.3865, 22.0836)

Have a look what the booklet for
XYZ(84.1571, 65.3865, 22.0836)
contains.

XYZ(58.8374, 52.2087, 20.8861)	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(58.8374, 52.2087,
20.8861)**

Conversions

Conversions Part 1

Format	Color
Hex	FFAD6B
RGB	255, 173, 107
RGB Percent	100%, 68%, 42%
CMY	0.0000, 0.3215, 0.5804
CMYK	0.00, 0.32, 0.58, 0.00
HSL	27°, 100%, 71%
HSV	27°, 58%, 100%
XYZ	58.8374, 52.2087, 20.8861
YIQ	189.9940, 70.0580, -3.1420

Conversions

Conversions Part 2

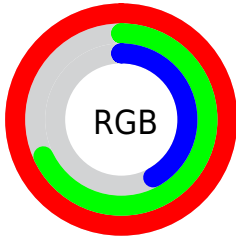
Format	Color
RYB	255, 226, 107
Decimal	16756075
CIELab	77.41, 23.52, 45.70
CIELCh	77, 51.397, 62.767
Yxy	52.2087, 0.4460, 0.3957
Android (android.graphics.Color)	4294946155 (0xFFFFAD6B)
YUV	189.9940, -40.9160, 57.0103
Hunter-Lab	72.2556, 18.9045, 33.4406

Details

The XYZ color **58.8374, 52.2087, 20.8861** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **42.3099, 46.7386, 101.3987**, and the grayscale version is **49.1413, 51.7005, 56.3018**.

A 20% lighter version of the original color is **75.6045, 79.8367, 44.6829**, and **29.7031, 25.1977, 7.1690** is the 20% darker color. If you saturate the color by 10%, you get **55.1214, 46.6165, 13.9763**, and if you desaturate by 10%, it is **63.2379, 58.5373, 29.9761**.

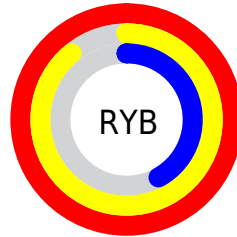
Distribution



Red (100%)

Green (68%)

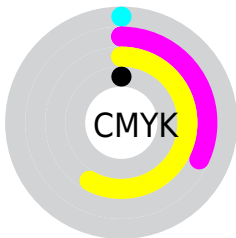
Blue (42%)



Red (100%)

Yellow (89%)

Blue (42%)

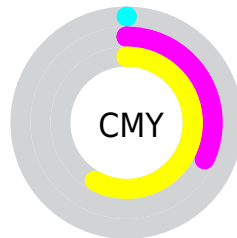


Cyan (0%)

Magenta (32%)

Yellow (58%)

Black (0%)



Cyan (0%)


Magenta (32%)


Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 58.8374, 52.2087, 20.8861 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 58.8374, 52.2087, 20.8861 by changing the saturation by 10% instead.


 58.8374, 52.2087,
20.8861

 58.8374, 52.2087,
20.8861


410.2028,
395.2418, 269.4337

 42.7281, 37.1715,
12.8503


 102.2573, 93.4390,
45.7762


 29.8654, 25.3403,
7.1961


 130.2986,
120.4008, 63.4677

 19.8840, 16.3307,
3.5047


 163.0479,
152.1062, 85.2148

 12.4186, 9.7585,
1.3578

 200.8707,
188.9397, 111.4360

 7.1036, 5.2391,
0.1084

244.1322,
231.2856, 142.5500

 3.5739, 2.3882,
0.0000

293.1978,

 1.4640, 0.8198,

279.5283, 178.9753

0.0000

348.4329,
334.0522, 221.1303

■ 0.3012, 0.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 58.8374, 52.2087,
20.8861

■ 58.8374, 52.2087,
20.8861

■ 55.1214, 46.6165,
13.9763

■ 63.2379, 58.5373,
29.9761

■ 52.0413, 41.7207,
9.0517

■ 68.3592, 65.6239,
41.4123

■ 49.5466, 37.4883,
5.8868

■ 74.2389, 73.4989,
55.3479

■ 47.5701, 33.8768,
4.1753

■ 80.9109, 82.1881,
71.9221

■ 47.2263, 33.2330,
3.9255

■ 88.4067, 91.7162,
91.2637

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.



67.3801, 52.2087, 32.1843



58.8374, 52.2087, 20.8861



48.7110, 52.2087, 17.9710

Triad

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



58.8374, 52.2087, 20.8861



32.9581, 52.2087, 59.5145



60.6355, 52.2087, 115.9942

Complementary

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



58.8374, 52.2087, 20.8861



42.3099, 46.7386, 101.3987

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.



50.5459, 52.2087, 130.3817



58.8374, 52.2087, 20.8861



35.2964, 52.2087, 91.6849

Square

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



58.8374, 52.2087, 20.8861



34.5704, 52.2087, 35.4002



41.4243, 52.2087, 120.2725



68.5113, 52.2087, 85.5676

Rectangle

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



58.8374, 52.2087, 20.8861



42.6257, 52.2087, 19.9800



41.4243, 52.2087, 120.2725



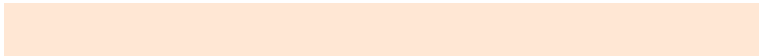
57.3465, 52.2087, 123.2510

Sweetspot

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



58.8386, 52.2113, 20.8871



81.6509, 83.1385, 73.8000



55.8870, 35.5314, 53.1263



17.1721, 17.4034, 15.0245



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.



58.8386, 52.2113, 20.8871



54.4687, 45.6023, 12.8603



76.5863, 87.7067, 26.8030



18.6763, 19.3207, 18.8893



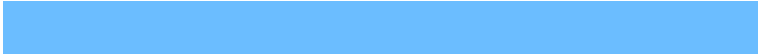
24.8206, 17.6524, 2.0991



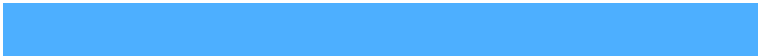
2.5237, 1.9328, 0.2400

Inverse Universe

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



42.3099, 46.7386, 101.3987



36.4766, 39.5895, 100.3268



30.4595, 23.0378, 97.4486



17.8375, 19.0466, 22.9862



14.5809, 14.0713, 51.3821



1.5288, 1.5882, 5.0393

Previews

White Background



This preview shows how the XYZ color 58.8374, 52.2087, 20.8861 looks on a white background.

Color Contrast Check

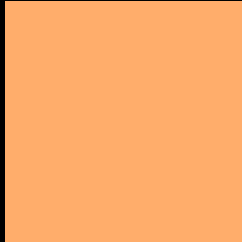
Large Text (above 18pt) WCAG AA × Fail

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 58.8374, 52.2087, 20.8861 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

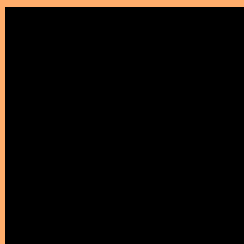
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 58.8374, 52.2087, 20.8861

Background



This preview shows how black text looks on a background with the XYZ color 58.8374, 52.2087, 20.8861.



This preview shows how white text looks on a background with the XYZ color 58.8374, 52.2087,

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

58.8374, 52.2087, 20.8861

Protanopia

48.4652, 52.6158, 23.5211

Deuteranopia

53.4150, 52.3793, 20.6595



Tritanopia

63.0946, 52.1118, 48.8526

Trichromacy



Original Color

58.8374, 52.2087, 20.8861

Protanomaly

51.5822, 52.0144, 22.3600

Deuteranomaly

55.3396, 52.1581, 20.7865

Tritanomaly

61.0955, 51.9029, 36.5039

Monochromacy



Original Color

58.8374, 52.2087, 20.8861

Achromatopsia

48.9429, 51.4918, 56.0745

Achromatomaly

51.2172, 51.1152, 40.4245

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.8374, 52.2087, 20.8861 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, 173, 107)` looks like.

```
.text, #text, p{  
    color:rgb(255, 173, 107)  
}
```

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, 173, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 173, 107) }
```

Border

The CSS property to change the border of an element to XYZ 58.8374, 52.2087, 20.8861 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, 173, 107) }
```


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

```
.border{ border-color:rgb(255, 173, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 173, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 173, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 173, 107);  
box-shadow:4px 4px 4px 4px rgb(255, 173,  
107) }
```

Background

The CSS property to change the background color of an element to XYZ 58.8374, 52.2087, 20.8861 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 173, 107) }
```

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

```
.background{ background-color: rgb(255,  
173, 107) }
```

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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