

Converting Colors

XYZ(80.0430, 52.8426, 14.5830)

Have a look what the booklet for
XYZ(80.0430, 52.8426, 14.5830)
contains.

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Color

**XYZ(50.8623, 37.8811,
13.2254)**

Conversions

Conversions Part 1

Format	Color
Hex	FF8255
RGB	255, 130, 85
RGB Percent	100%, 51%, 33%
CMY	0.0000, 0.4902, 0.6667
CMYK	0.00, 0.49, 0.67, 0.00
HSL	16°, 100%, 67%
HSV	16°, 67%, 100%
XYZ	50.8623, 37.8811, 13.2254
YIQ	162.2450, 88.9450, 12.5050

Conversions

Conversions Part 2

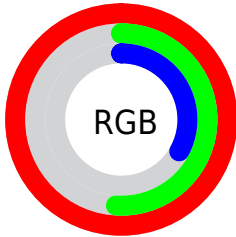
Format	Color
R _Y B	255, 146, 85
Decimal	16745045
CIE Lab	67.93, 44.15, 45.66
CIE LCh	68, 63.520, 45.963
Yxy	37.8811, 0.4988, 0.3715
Android (android.graphics.Color)	4294935125 (0xFFFF8255)
YUV	162.2450, -38.0818, 81.3461
Hunter-Lab	61.5476, 39.8022, 30.3431

Details

The XYZ color **50.8623, 37.8811, 13.2254** is a light color, and the websafe version is hex **FF9966**. The color can be described as light muted orange. A complement of this color would be **44.8412, 55.2411, 102.9063**, and the grayscale version is **34.6025, 36.4045, 39.6445**.

A 20% lighter version of the original color is **63.0329, 57.7355, 31.1144**, and **24.7260, 16.6478, 3.6604** is the 20% darker color. If you saturate the color by 10%, you get **47.7550, 33.0063, 8.0601**, and if you desaturate by 10%, it is **54.7906, 43.8146, 20.4647**.

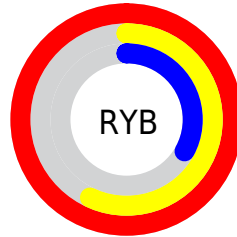
Distribution



Red (100%)

Green (51%)

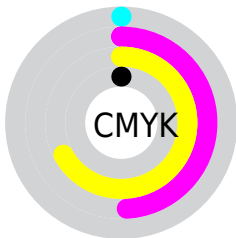
Blue (33%)



Red (100%)

Yellow (57%)

Blue (33%)

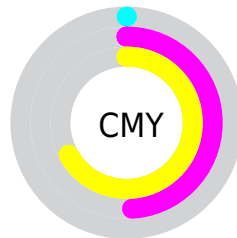


Cyan (0%)

Magenta (49%)

Yellow (67%)

Black (0%)



Cyan (0%)


Magenta (49%)


Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.8623, 37.8811, 13.2254 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 50.8623, 37.8811, 13.2254 by changing the saturation by 10% instead.


 50.8623, 37.8811,
13.2254


 50.8623, 37.8811,
13.2254


380.4250,
337.1096, 223.6155

 36.3196, 25.8904,
7.4514


 90.6354, 71.9259,
32.4052

 24.8524, 16.7417,
3.6633


 116.5965, 94.7487,
46.6481


 16.0953, 10.0505,
1.4425

 147.0945,
121.9511, 64.5511

 9.6829, 5.4324,
0.1745

 182.4948,
153.9174, 86.5327

 5.2498, 2.5032,
0.0000

 223.1626,
191.0320, 113.0113

 2.4308, 0.8782,
0.0000

269.4633,

 0.8605, 0.0000,

233.6793, 144.4057

0.0000

321.7624,
282.2437, 181.1342

■ 0.0000, 0.0000,
0.0000

■ 50.8623, 37.8811,
13.2254

■ 50.8623, 37.8811,
13.2254

■ 47.7550, 33.0063,
8.0601

■ 54.7906, 43.8146,
20.4647

■ 45.4000, 29.1183,
4.7411

■ 59.5953, 50.8606,
29.9692

■ 43.7192, 26.1442,
2.9862

■ 65.3297, 59.0760,
41.9101

■ 43.2774, 25.3351,
2.6092

■ 72.0417, 68.5121,
56.4416

■ 79.7759, 79.2170,
73.7052

 88.5741, 91.2361,
93.8318

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.



57.4896, 37.8811, 28.0398



50.8623, 37.8811, 13.2254



40.8036, 37.8811, 7.8072

Triad

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



50.8623, 37.8811, 13.2254



20.5623, 37.8811, 29.4247



41.4762, 37.8811, 118.6035

Complementary

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



50.8623, 37.8811, 13.2254



44.8412, 55.2411, 102.9063

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.



31.5979, 37.8811, 119.5612



50.8623, 37.8811, 13.2254



20.6760, 37.8811, 58.0585

Square

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



50.8623, 37.8811, 13.2254



24.0197, 37.8811, 13.8391



24.3653, 37.8811, 93.9084



51.4317, 37.8811, 91.6929

Rectangle

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



50.8623, 37.8811, 13.2254



34.0705, 37.8811, 7.3775



24.3653, 37.8811, 93.9084



38.0110, 37.8811, 122.2816

Sweetspot

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



50.8632, 37.8831, 13.2261



77.0816, 75.5046, 67.6379



56.4352, 32.5359, 65.9241



16.0318, 15.5151, 13.4346



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.



50.8632, 37.8831, 13.2261



46.8900, 31.6039, 6.7607



66.5481, 69.2530, 18.4544



18.4004, 18.7690, 18.7973



22.7166, 13.4445, 1.3977



2.2967, 1.4787, 0.1644

Inverse Universe

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



44.8412, 55.2411, 102.9063



40.3000, 49.6932, 102.0755



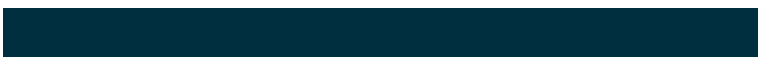
29.4506, 24.4598, 97.7761



18.1241, 19.6198, 23.0817



18.9000, 22.7097, 52.8219



1.9297, 2.3902, 5.1729

Previews

White Background



This preview shows how the XYZ color 50.8623, 37.8811, 13.2254 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 50.8623, 37.8811, 13.2254 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 50.8623, 37.8811, 13.2254

Background



This preview shows how black text looks on a background with the XYZ color 50.8623, 37.8811, 13.2254.



This preview shows how white text looks on a background with the XYZ color 50.8623, 37.8811,

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

50.8623, 37.8811, 13.2254

Protanopia

35.0853, 38.0806, 16.8104

Deuteranopia

38.8150, 37.9974, 12.6856



Tritanopia

53.0039, 37.9029, 27.0766

Trichromacy



Original Color

50.8623, 37.8811, 13.2254

Protanomaly

39.6615, 37.1281, 15.4320

Deuteranomaly

42.5065, 37.4619, 12.7751

Tritanomaly

51.9818, 37.6997, 21.0600

Monochromacy



Original Color

50.8623, 37.8811, 13.2254

Achromatopsia

34.3422, 36.1307, 39.3463

Achromatomaly

37.9744, 35.2697, 27.3605

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.8623, 37.8811, 13.2254 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, 130, 85)` looks like.

```
.text, #text, p{  
    color:rgb(255, 130, 85)  
}
```

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, 130, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 130, 85) }
```

Border

The CSS property to change the border of an element to XYZ 50.8623, 37.8811, 13.2254 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, 130, 85) }
```


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

```
.border{ border-color:rgb(255, 130, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 130, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 130, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 130, 85);  
box-shadow:4px 4px 4px 4px rgb(255, 130,  
85) }
```

Background

The CSS property to change the background color of an element to XYZ 50.8623, 37.8811, 13.2254 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 130, 85) }
```

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

```
.background{ background-color: rgb(255,  
130, 85) }
```

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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