

Converting Colors

XYZ(53.3708, 43.0375, 13.6319)

Have a look what the booklet for
XYZ(53.3708, 43.0375, 13.6319)
contains.

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Color

**XYZ(53.3912, 43.0643,
13.6818)**

Conversions

Conversions Part 1

Format	Color
Hex	FF9453
RGB	255, 148, 83
RGB Percent	100%, 58%, 33%
CMY	0.0000, 0.4196, 0.6745
CMYK	0.00, 0.42, 0.67, 0.00
HSL	23°, 100%, 66%
HSV	23°, 67%, 100%
XYZ	53.3912, 43.0643, 13.6818
YIQ	172.5830, 84.6370, 2.4690

Conversions

Conversions Part 2

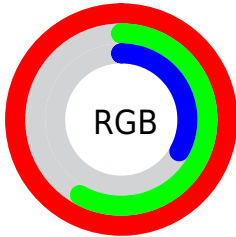
Format	Color
R _Y B	255, 187, 83
Decimal	16749651
CIE Lab	71.60, 34.97, 50.86
CIE LCh	72, 61.722, 55.485
Yxy	43.0643, 0.4848, 0.3910
Android (android.graphics.Color)	4294939731 (0xFFFF9453)
YUV	172.5830, -44.1644, 72.2797
Hunter-Lab	65.6234, 30.3867, 33.5750

Details

The XYZ color **53.3912, 43.0643, 13.6818** 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 **40.0294, 45.8832, 101.3537**, and the grayscale version is **39.6967, 41.7640, 45.4810**.

A 20% lighter version of the original color is **66.9691, 65.7211, 32.0775**, and **26.4497, 19.8130, 3.8691** is the 20% darker color. If you saturate the color by 10%, you get **50.2618, 38.1022, 8.6422**, and if you desaturate by 10%, it is **57.2255, 48.8576, 20.7421**.

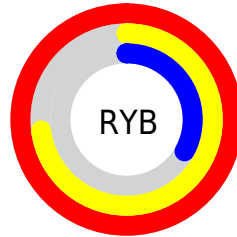
Distribution



Red (100%)

Green (58%)

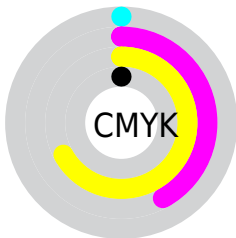
Blue (33%)



Red (100%)

Yellow (73%)

Blue (33%)

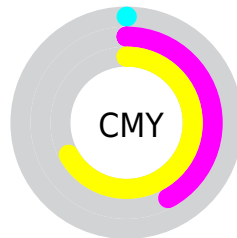


Cyan (0%)

Magenta (42%)

Yellow (67%)

Black (0%)



Cyan (0%)


Magenta (42%)


Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 53.3912, 43.0643, 13.6818 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 53.3912, 43.0643, 13.6818 by changing the saturation by 10% instead.


 53.3912, 43.0643,
13.6818


 53.3912, 43.0643,
13.6818


390.0205,
358.8761, 226.6014

 38.3439, 29.9356,
7.7635


 94.3419, 79.8079,
33.2323

 26.4281, 19.7897,
3.8584


 120.9760,
104.1915, 47.7016

 17.2786, 12.2423,
1.5480


 152.2031,
133.0956, 65.8582

 10.5298, 6.9089,
0.2533

 188.3885,
166.9045, 88.1208

 5.8166, 3.4052,
0.0000

 229.8976,
206.0026, 114.9079

 2.7735, 1.3467,
0.0000

277.0957,

 1.0351, 0.1770,

250.7743, 146.6380

0.0000

330.3483,
301.6040, 183.7296

■ 0.0000, 0.0000,
0.0000

■ 53.3912, 43.0643,
13.6818

■ 53.3912, 43.0643,
13.6818

■ 50.2618, 38.1022,
8.6422

■ 57.2255, 48.8576,
20.7421

■ 47.7785, 33.9202,
5.3957

■ 61.8101, 55.5156,
30.0127

■ 45.8729, 30.4693,
3.6501

■ 67.1899, 63.0777,
41.6635

■ 45.4570, 29.6943,
3.3357

■ 73.4048, 71.5785,
55.8470

■ 80.4916, 81.0510,
72.7029

88.4852, 91.5260,
92.3605

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.



61.8564, 43.0643, 26.2492



53.3912, 43.0643, 13.6818



42.5320, 43.0643, 9.7580

Triad

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



53.3912, 43.0643, 13.6818



24.0046, 43.0643, 42.5079



50.1897, 43.0643, 120.2814

Complementary

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



53.3912, 43.0643, 13.6818



40.0294, 45.8832, 101.3537

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.



39.3713, 43.0643, 130.7166



53.3912, 43.0643, 13.6818



25.3538, 43.0643, 76.2288

Square

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



53.3912, 43.0643, 13.6818



26.5196, 43.0643, 21.2766



30.5785, 43.0643, 111.9982



59.7986, 43.0643, 87.5887

Rectangle

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



53.3912, 43.0643, 13.6818



35.8028, 43.0643, 10.4436



30.5785, 43.0643, 111.9982



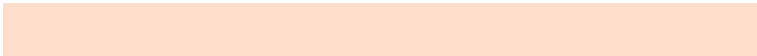
46.5276, 43.0643, 126.9732

Sweetspot

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



53.3922, 43.0666, 13.6826



78.6003, 78.5422, 68.1442



53.8402, 31.2495, 53.0246



16.3918, 16.2352, 13.5546



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.



53.3922, 43.0666, 13.6826



49.3097, 36.5308, 7.2975



71.6764, 79.6350, 19.7773



18.5719, 19.1120, 18.8545



23.8844, 15.7801, 1.7870



2.4267, 1.7388, 0.2077

Inverse Universe

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



40.0294, 45.8832, 101.3537



34.9996, 39.2782, 100.3445



26.7646, 19.3537, 96.9321



17.9443, 19.2602, 23.0218



16.0245, 16.9586, 51.8633



1.6656, 1.8618, 5.0849

Previews

White Background



This preview shows how the XYZ color 53.3912, 43.0643, 13.6818 looks on a white background.

Color Contrast Check

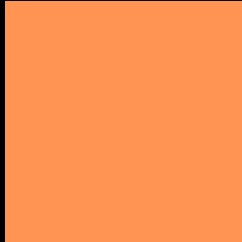
Large Text (above 18pt) WCAG AA × Fail

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 53.3912, 43.0643, 13.6818 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 53.3912, 43.0643, 13.6818

Background



This preview shows how black text looks on a background with the XYZ color 53.3912, 43.0643, 13.6818.



This preview shows how white text looks on a background with the XYZ color 53.3912, 43.0643,

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

53.3912, 43.0643, 13.6818

Protanopia

39.7052, 43.2927, 16.3889

Deuteranopia

44.1073, 43.0929, 13.2008



Tritanopia

56.7300, 43.1719, 35.0488

Trichromacy



Original Color

53.3912, 43.0643, 13.6818

Protanomaly

43.7583, 42.5926, 15.3661

Deuteranomaly

46.9738, 42.7097, 13.3574

Tritanomaly

55.1962, 43.0431, 25.4777

Monochromacy



Original Color

53.3912, 43.0643, 13.6818

Achromatopsia

39.7200, 41.7885, 45.5077

Achromatomaly

42.6377, 41.1409, 30.5047

CSS Examples

Text

The CSS property to change the color of the text to XYZ 53.3912, 43.0643, 13.6818 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, 148, 83)` looks like.

```
.text, #text, p{  
    color:rgb(255, 148, 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, 148, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 148, 83) }
```

Border

The CSS property to change the border of an element to XYZ 53.3912, 43.0643, 13.6818 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, 148, 83) }
```


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

```
.border{ border-color:rgb(255, 148, 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, 148, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 148, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 148, 83);  
box-shadow:4px 4px 4px 4px rgb(255, 148,  
83) }
```

Background

The CSS property to change the background color of an element to XYZ 53.3912, 43.0643, 13.6818 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 148, 83) }
```

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

```
.background{ background-color: rgb(255,  
148, 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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