

Converting Colors

XYZ(50.9017, 37.6815, 14.0968)

Have a look what the booklet for
XYZ(50.9017, 37.6815, 14.0968)
contains.

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Color

**XYZ(50.8934, 37.6818,
14.0421)**

Conversions

Conversions Part 1

Format	Color
Hex	FF8159
RGB	255, 129, 89
RGB Percent	100%, 51%, 35%
CMY	0.0000, 0.4941, 0.6510
CMYK	0.00, 0.49, 0.65, 0.00
HSL	14°, 100%, 67%
HSV	14°, 65%, 100%
XYZ	50.8934, 37.6818, 14.0421
YIQ	162.1140, 87.9360, 14.2720

Conversions

Conversions Part 2

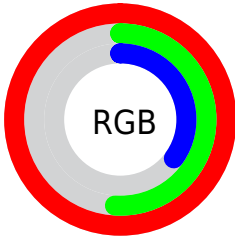
Format	Color
R _Y B	255, 142, 89
Decimal	16744793
CIE Lab	67.79, 44.87, 43.41
CIE LCh	68, 62.435, 44.051
Yxy	37.6818, 0.4960, 0.3672
Android (android.graphics.Color)	4294934873 (0xFFFF8159)
YUV	162.1140, -36.0452, 81.4610
Hunter-Lab	61.3855, 40.5659, 29.4071

Details

The XYZ color **50.8934, 37.6818, 14.0421** 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 **46.4683, 57.9408, 103.3416**, and the grayscale version is **34.5320, 36.3304, 39.5638**.

A 20% lighter version of the original color is **63.1141, 57.4344, 32.5704**, and **24.9770, 16.6664, 3.9983** is the 20% darker color. If you saturate the color by 10%, you get **47.6897, 32.7017, 8.5750**, and if you desaturate by 10%, it is **54.9524, 43.7799, 21.6236**.

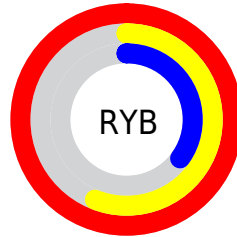
Distribution



Red (100%)

Green (51%)

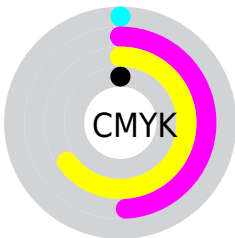
Blue (35%)



Red (100%)

Yellow (56%)

Blue (35%)

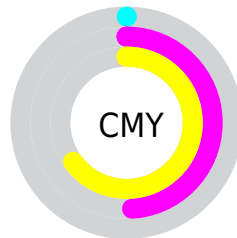


Cyan (0%)

Magenta (49%)

Yellow (65%)

Black (0%)



Cyan (0%)


Magenta (49%)


Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.8934, 37.6818, 14.0421 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 50.8934, 37.6818, 14.0421 by changing the saturation by 10% instead.


 50.8934, 37.6818,
14.0421


 50.8934, 37.6818,
14.0421


380.5440,
336.2530, 228.9301

 36.3445, 25.7358,
8.0109

 90.6811, 71.6202,
33.8819


 24.8717, 16.6261,
4.0140


 116.6506, 94.3813,
48.5276


 16.1097, 9.9683,
1.6330


 147.1577,
121.5163, 66.8818

 9.6932, 5.3779,
0.3142

 182.5677,
153.4096, 89.3631

 5.2567, 2.4707,
0.0000

 223.2459,
190.4455, 116.3900

 2.4349, 0.8619,
0.0000

269.5578,

 0.8626, 0.0000,

233.0084, 148.3812

0.0000

321.8687,
281.4828, 185.7550

■ 0.0000, 0.0000,
0.0000

■ 50.8934, 37.6818,
14.0421

■ 50.8934, 37.6818,
14.0421

■ 47.6897, 32.7017,
8.5750

■ 54.9524, 43.7799,
21.6236

■ 45.2711, 28.7628,
4.9996

■ 59.9238, 51.0541,
31.5075

■ 43.5590, 25.7872,
3.0457

■ 65.8623, 59.5655,
43.8629

■ 42.9330, 24.6463,
2.4944

■ 72.8176, 69.3691,
58.8424

■ 80.8356, 80.5164,
76.5865

89.9597, 93.0564,
97.2253

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.



57.0260, 37.6818, 29.4208



50.8934, 37.6818, 14.0421



41.1658, 37.6818, 8.1902

Triad

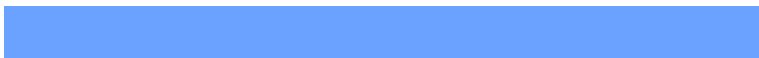
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



50.8934, 37.6818, 14.0421



20.7594, 37.6818, 28.0787



40.5174, 37.6818, 117.2971

Complementary

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



50.8934, 37.6818, 14.0421



46.4683, 57.9408, 103.3416

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.



30.9500, 37.6818, 116.3812



50.8934, 37.6818, 14.0421



20.6489, 37.6818, 55.3481

Square

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



50.8934, 37.6818, 14.0421



24.3902, 37.6818, 13.4415



24.0551, 37.6818, 90.2475



50.3457, 37.6818, 92.3704

Rectangle

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



50.8934, 37.6818, 14.0421



34.5190, 37.6818, 7.5535



24.0551, 37.6818, 90.2475



37.1439, 37.6818, 120.2603

Sweetspot

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



50.8943, 37.6838, 14.0428



76.7697, 74.8808, 67.5340



57.2413, 33.3765, 68.5718



15.9581, 15.3678, 13.4100



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.



50.8943, 37.6838, 14.0428



46.9103, 31.4545, 7.3531



66.2709, 68.4372, 19.1683



18.3648, 18.6978, 18.7854



22.5294, 13.0701, 1.3353



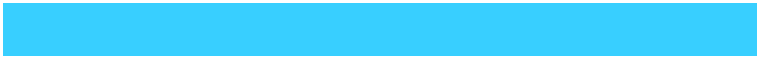
2.2741, 1.4337, 0.1569

Inverse Universe

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



46.4683, 57.9408, 103.3416



42.0147, 52.7200, 102.5693



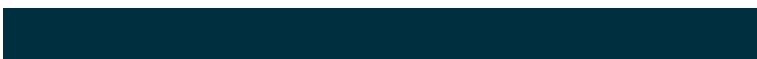
30.5940, 26.1922, 98.0502



18.1621, 19.6959, 23.0944



19.5809, 24.0714, 53.0488



1.9911, 2.5129, 5.1934

Previews

White Background



This preview shows how the XYZ color 50.8934, 37.6818, 14.0421 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 50.8934, 37.6818, 14.0421 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 50.8934, 37.6818, 14.0421

Background



This preview shows how black text looks on a background with the XYZ color 50.8934, 37.6818, 14.0421.



This preview shows how white text looks on a background with the XYZ color 50.8934, 37.6818,

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

50.8934, 37.6818, 14.0421

Protanopia

35.0905, 38.0555, 18.0663

Deuteranopia

38.6900, 37.9156, 13.4629



Tritanopia

52.8073, 37.6207, 26.6686

Trichromacy



Original Color

50.8934, 37.6818, 14.0421

Protanomaly

39.5613, 37.0554, 16.3766

Deuteranomaly

42.5048, 37.2113, 13.5366

Tritanomaly

51.9117, 37.4661, 21.3252

Monochromacy



Original Color

50.8934, 37.6818, 14.0421

Achromatopsia

34.3422, 36.1307, 39.3463

Achromatomaly

38.0445, 35.2977, 27.7297

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.8934, 37.6818, 14.0421 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, 129, 89)` looks like.

```
.text, #text, p{  
    color:rgb(255, 129, 89)  
}
```

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, 129, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 129, 89) }
```

Border

The CSS property to change the border of an element to XYZ 50.8934, 37.6818, 14.0421 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, 129, 89) }
```


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

```
.border{ border-color:rgb(255, 129, 89) }
```

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

Here you see how a box with a 4 pixel rgb(255, 129, 89) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 129, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 129, 89);  
box-shadow:4px 4px 4px 4px rgb(255, 129,  
89) }
```

Background

The CSS property to change the background color of an element to XYZ 50.8934, 37.6818, 14.0421 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 129, 89) }
```

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

```
.background{ background-color: rgb(255,  
129, 89) }
```

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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