

Converting Colors

XYZ(51.3040, 37.7500, 16.5000)

Have a look what the booklet for
XYZ(51.3040, 37.7500, 16.5000)
contains.

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Color

**XYZ(51.3424, 37.8614,
16.4063)**

Conversions

Conversions Part 1

Format	Color
Hex	FF8163
RGB	255, 129, 99
RGB Percent	100%, 51%, 39%
CMY	0.0000, 0.4941, 0.6118
CMYK	0.00, 0.49, 0.61, 0.00
HSL	12°, 100%, 69%
HSV	12°, 61%, 100%
XYZ	51.3424, 37.8614, 16.4063
YIQ	163.2540, 84.7260, 17.3820

Conversions

Conversions Part 2

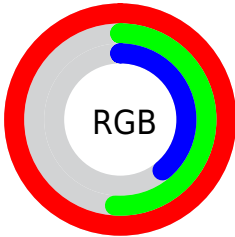
Format	Color
R_{YB}	255, 136, 99
Decimal	16744803
CIE _{Lab}	67.92, 45.49, 38.26
CIE _{LCh}	68, 59.442, 40.066
Yxy	37.8614, 0.4862, 0.3585
Android (android.graphics.Color)	4294934883 (0xFFFF8163)
YUV	163.2540, -31.6772, 80.4612
Hunter-Lab	61.5316, 41.2613, 27.2635

Details

The XYZ color **51.3424, 37.8614, 16.4063** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **50.1188, 63.7190, 104.2647**, and the grayscale version is **35.0510, 36.8764, 40.1584**.

A 20% lighter version of the original color is **63.8855, 57.7430, 36.6325**, and **25.1743, 16.7454, 5.0373** is the 20% darker color. If you saturate the color by 10%, you get **47.8653, 32.5601, 10.1528**, and if you desaturate by 10%, it is **55.7528, 44.4141, 24.8697**.

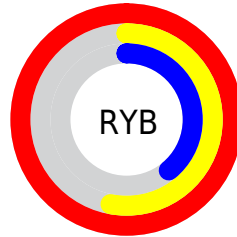
Distribution



Red (100%)

Green (51%)

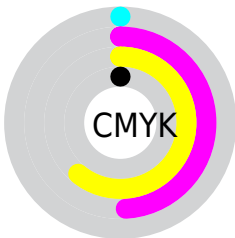
Blue (39%)



Red (100%)

Yellow (53%)

Blue (39%)

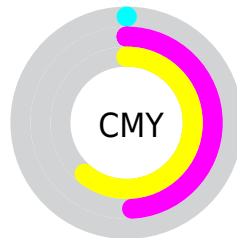


Cyan (0%)

Magenta (49%)

Yellow (61%)

Black (0%)



Cyan (0%)


Magenta (49%)


Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.3424, 37.8614, 16.4063 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 51.3424, 37.8614, 16.4063 by changing the saturation by 10% instead.


 51.3424, 37.8614,
16.4063


 51.3424, 37.8614,
16.4063


382.2584,
337.0250, 243.6544

 36.7033, 25.8751,
9.6547


 91.3407, 71.8957,
38.0787


 25.1505, 16.7303,
5.0680


 117.4306, 94.7124,
53.8365

 16.3185, 10.0424,
2.2278

 148.0682,
121.9082, 73.4335

 9.8421, 5.4270,
0.6903

 183.6188,
153.8673, 97.2882

 5.3559, 2.4999,
0.0000

224.4477,
190.9741, 125.8190

 2.4944, 0.8766,
0.0000

270.9204,

 0.8924, 0.0000,

233.6131, 159.4447

0.0000

323.4022,
282.1686, 198.5836

■ 0.0000, 0.0000,
0.0000

■ 51.3424, 37.8614,
16.4063

■ 51.3424, 37.8614,
16.4063

■ 47.8653, 32.5601,
10.1528

■ 55.7528, 44.4141,
24.8697

■ 45.2481, 28.4230,
5.8978

■ 61.1568, 52.2857,
35.7235

■ 43.4099, 25.3607,
3.3918

■ 67.6126, 61.5461,
49.1319

■ 42.3402, 23.4607,
2.2968

■ 75.1732, 72.2584,
65.2442

■ 83.8878, 84.4819,
84.1977

93.8027, 98.2724,
106.1207

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.



56.4328, 37.8614, 32.9663



51.3424, 37.8614, 16.4063



42.3798, 37.8614, 9.5324

Triad

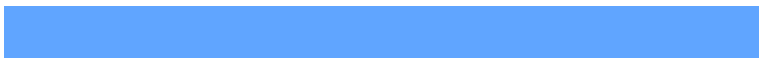
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



51.3424, 37.8614, 16.4063



21.7519, 37.8614, 26.2152



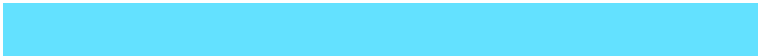
39.1770, 37.8614, 114.2160

Complementary

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



51.3424, 37.8614, 16.4063



50.1188, 63.7190, 104.2647

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.



30.2702, 37.8614, 109.8119



51.3424, 37.8614, 16.4063



21.1921, 37.8614, 50.7584

Square

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



51.3424, 37.8614, 16.4063



25.7320, 37.8614, 13.2848



24.0449, 37.8614, 83.3396



48.6560, 37.8614, 93.6154

Rectangle

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



51.3424, 37.8614, 16.4063



35.9656, 37.8614, 8.4310



24.0449, 37.8614, 83.3396



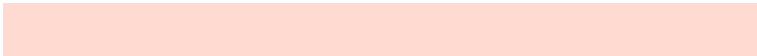
36.0067, 37.8614, 115.7658

Sweetspot

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



51.3433, 37.8634, 16.4070



77.8140, 75.9744, 70.9498



59.4841, 35.6968, 75.9944



16.1366, 15.5317, 14.0649



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.



51.3433, 37.8634, 16.4070



47.3262, 31.7212, 9.2343



65.4671, 66.1110, 21.1149



18.2921, 18.5524, 18.7612



22.2038, 12.4188, 1.2268



2.2328, 1.3510, 0.1431

Inverse Universe

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



50.1188, 63.7190, 104.2647



45.8756, 59.2436, 103.6250



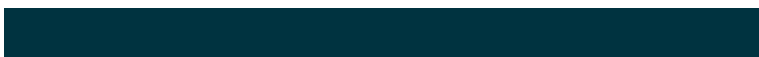
33.8485, 31.1784, 98.8413



18.2405, 19.8525, 23.1205



21.0636, 27.0367, 53.5430



2.1235, 2.7778, 5.2375

Previews

White Background



This preview shows how the XYZ color 51.3424, 37.8614, 16.4063 looks on a white background.

Color Contrast Check

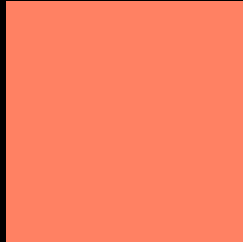
Large Text (above 18pt) WCAG AA × Fail

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 51.3424, 37.8614, 16.4063 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 51.3424, 37.8614, 16.4063

Background



This preview shows how black text looks on a background with the XYZ color 51.3424, 37.8614, 16.4063.



This preview shows how white text looks on a background with the XYZ color 51.3424, 37.8614,

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

51.3424, 37.8614, 16.4063

Protanopia

35.4392, 38.1680, 21.1221

Deuteranopia

38.5598, 37.8006, 15.6198



Tritanopia

53.0039, 37.9029, 27.0766

Trichromacy



Original Color

51.3424, 37.8614, 16.4063

Protanomaly

39.8301, 37.1306, 19.2550

Deuteranomaly

42.3181, 37.0658, 15.7505

Tritanomaly

52.2806, 37.8192, 22.6335

Monochromacy



Original Color

51.3424, 37.8614, 16.4063

Achromatopsia

34.8123, 36.6253, 39.8849

Achromatomaly

38.5652, 35.7624, 29.6812

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.3424, 37.8614, 16.4063 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, 99)` looks like.

```
.text, #text, p{  
    color:rgb(255, 129, 99)  
}
```

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, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 129, 99) }
```

Border

The CSS property to change the border of an element to XYZ 51.3424, 37.8614, 16.4063 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, 99) }
```


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

```
.border{ border-color:rgb(255, 129, 99) }
```

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, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 129, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 129, 99);  
box-shadow:4px 4px 4px 4px rgb(255, 129,  
99) }
```

Background

The CSS property to change the background color of an element to XYZ 51.3424, 37.8614, 16.4063 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, 99) }
```

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

```
.background{ background-color: rgb(255,  
129, 99) }
```

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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