

Converting Colors

XYZ(52.5366, 38.3866, 17.1024)

Have a look what the booklet for
XYZ(52.5366, 38.3866, 17.1024)
contains.

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Color

**XYZ(51.4885, 37.9198,
17.1759)**

Conversions

Conversions Part 1

Format	Color
Hex	FF8166
RGB	255, 129, 102
RGB Percent	100%, 51%, 40%
CMY	0.0000, 0.4941, 0.6000
CMYK	0.00, 0.49, 0.60, 0.00
HSL	11°, 100%, 70%
HSV	11°, 60%, 100%
XYZ	51.4885, 37.9198, 17.1759
YIQ	163.5960, 83.7630, 18.3150

Conversions

Conversions Part 2

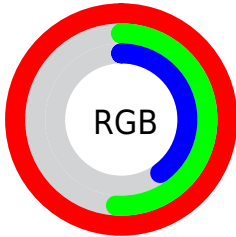
Format	Color
R_{YB}	255, 135, 102
Decimal	16744806
CIE _{Lab}	67.96, 45.69, 36.70
CIE _{LCh}	68, 58.603, 38.770
Yxy	37.9198, 0.4831, 0.3558
Android (android.graphics.Color)	4294934886 (0xFFFF8166)
YUV	163.5960, -30.3668, 80.1613
Hunter-Lab	61.5791, 41.4870, 26.5679

Details

The XYZ color **51.4885, 37.9198, 17.1759** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **51.2709, 65.5276, 104.5530**, and the grayscale version is **35.2075, 37.0411, 40.3377**.

A 20% lighter version of the original color is **64.2132, 57.8741, 38.3583**, and **25.2426, 16.7727, 5.3970** is the 20% darker color. If you saturate the color by 10%, you get **47.9253, 32.5157, 10.6795**, and if you desaturate by 10%, it is **56.0107, 44.6201, 25.9108**.

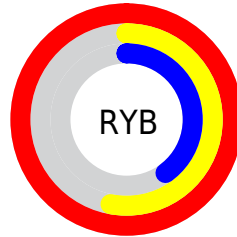
Distribution



Red (100%)

Green (51%)

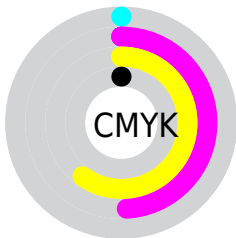
Blue (40%)



Red (100%)

Yellow (53%)

Blue (40%)

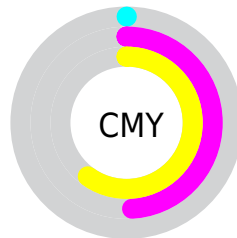


Cyan (0%)

Magenta (49%)

Yellow (60%)

Black (0%)



Cyan (0%)


Magenta (49%)


Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.4885, 37.9198, 17.1759 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 51.4885, 37.9198, 17.1759 by changing the saturation by 10% instead.


 51.4885, 37.9198,
17.1759


 51.4885, 37.9198,
17.1759


382.8152,
337.2758, 248.2622

 36.8201, 25.9204,
10.1967


 91.5551, 71.9852,
39.4227


 25.2413, 16.7641,
5.4223


 117.6842, 94.8200,
55.5275

 16.3866, 10.0665,
2.4341


 148.3641,
122.0355, 75.5111

 9.8907, 5.4431,
0.8049

 183.9603,
154.0159, 99.7923

 5.3883, 2.5095,
0.0000

224.8382,
191.1458, 128.7894

 2.5139, 0.8814,
0.0000

271.3631,

 0.9023, 0.0000,

233.8095, 162.9210

0.0000

323.9003,
282.3914, 202.6058

■ 0.0000, 0.0000,
0.0000

■ 51.4885, 37.9198,
17.1759

■ 51.4885, 37.9198,
17.1759

■ 47.9253, 32.5157,
10.6795

■ 56.0107, 44.6201,
25.9108

■ 45.2464, 28.3170,
6.2131

■ 61.5536, 52.6877,
37.0630

■ 43.3696, 25.2300,
3.5324

■ 68.1766, 62.1956,
50.7954

■ 42.1786, 23.1376,
2.2430

■ 75.9340, 73.2096,
67.2561

■ 42.1786, 23.1375,
2.2429

■ 84.8760, 85.7917,
86.5820

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.



56.2625, 37.9198, 34.1053



51.4885, 37.9198, 17.1759



42.7608, 37.9198, 9.9669

Triad

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



51.4885, 37.9198, 17.1759



22.0607, 37.9198, 25.6623



38.7775, 37.9198, 113.3169

Complementary

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



51.4885, 37.9198, 17.1759



51.2709, 65.5276, 104.5530

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.



30.0660, 37.9198, 107.8844



51.4885, 37.9198, 17.1759



21.3593, 37.9198, 49.4149

Square

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



51.4885, 37.9198, 17.1759



26.1520, 37.9198, 13.2344



24.0416, 37.9198, 81.3199



48.1547, 37.9198, 94.0211

Rectangle

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



51.4885, 37.9198, 17.1759



36.4188, 37.9198, 8.7090



24.0416, 37.9198, 81.3199



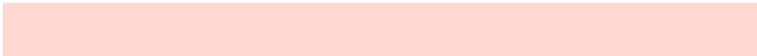
35.6670, 37.9198, 114.4471

Sweetspot

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



51.4894, 37.9218, 17.1766



77.6260, 75.5984, 70.8871



60.2040, 36.4480, 78.3571



16.0916, 15.4416, 14.0499



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.



51.4894, 37.9218, 17.1766



47.3213, 31.5822, 9.6306



65.2310, 65.4049, 21.7571



18.2686, 18.5053, 18.7534



22.1139, 12.2391, 1.1969



2.2207, 1.3268, 0.1391

Inverse Universe

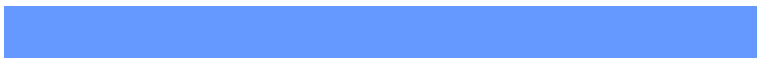
The Inverse Universe completely reimagines the original color for something new.



51.2709, 65.5276, 104.5530



46.9567, 61.1322, 103.9326



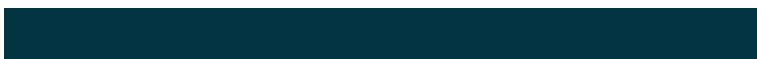
34.9209, 32.8275, 99.1030



18.2661, 19.9038, 23.1290



21.5718, 28.0531, 53.7124



2.1686, 2.8679, 5.2525

Previews

White Background



This preview shows how the XYZ color 51.4885, 37.9198, 17.1759 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 51.4885, 37.9198, 17.1759 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 51.4885, 37.9198, 17.1759

Background



This preview shows how black text looks on a background with the XYZ color 51.4885, 37.9198, 17.1759.



This preview shows how white text looks on a background with the XYZ color 51.4885, 37.9198,

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

51.4885, 37.9198, 17.1759

Protanopia

35.4375, 38.1405, 22.3237

Deuteranopia

38.6953, 37.8548, 16.3336



Tritanopia

53.0039, 37.9029, 27.0766

Trichromacy



Original Color

51.4885, 37.9198, 17.1759

Protanomaly

40.0480, 37.2177, 20.4022

Deuteranomaly

42.4571, 37.1214, 16.4827

Tritanomaly

52.3422, 37.8439, 22.9582

Monochromacy



Original Color

51.4885, 37.9198, 17.1759

Achromatopsia

35.2861, 37.1238, 40.4278

Achromatomaly

38.9003, 35.9266, 30.0836

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.4885, 37.9198, 17.1759 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, 102)` looks like.

```
.text, #text, p{  
    color:rgb(255, 129, 102)  
}
```

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, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 129, 102) }
```

Border

The CSS property to change the border of an element to XYZ 51.4885, 37.9198, 17.1759 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, 102) }
```


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

```
.border{ border-color:rgb(255, 129, 102) }
```

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, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 129, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 129, 102);  
box-shadow:4px 4px 4px 4px rgb(255, 129,  
102) }
```

Background

The CSS property to change the background color of an element to XYZ 51.4885, 37.9198, 17.1759 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, 102) }
```

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

```
.background{ background-color: rgb(255,  
129, 102) }
```

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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