

Converting Colors

XYZ(50.7716, 35.9463, 18.6007)

Have a look what the booklet for
XYZ(50.7716, 35.9463, 18.6007)
contains.

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Color

**XYZ(50.8377, 36.0389,
18.7448)**

Conversions

Conversions Part 1

Format	Color
Hex	FF796D
RGB	255, 121, 109
RGB Percent	100%, 47%, 43%
CMY	0.0000, 0.5255, 0.5725
CMYK	0.00, 0.53, 0.57, 0.00
HSL	5°, 100%, 71%
HSV	5°, 57%, 100%
XYZ	50.8377, 36.0389, 18.7448
YIQ	159.6980, 83.7160, 24.6760

Conversions

Conversions Part 2

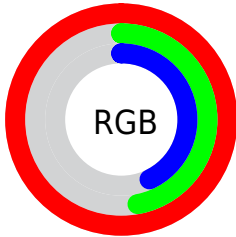
Format	Color
R _Y B	255, 122, 109
Decimal	16742765
CIE Lab	66.55, 50.05, 31.07
CIE LCh	67, 58.910, 31.828
Yxy	36.0389, 0.4813, 0.3412
Android (android.graphics.Color)	4294932845 (0xFFFF796D)
YUV	159.6980, -24.9941, 83.5799
Hunter-Lab	60.0324, 46.1038, 23.5097

Details

The XYZ color **50.8377, 36.0389, 18.7448** is a light color, and the websafe version is hex **FF6666**. A complement of this color would be **56.4050, 74.5678, 106.0274**, and the grayscale version is **33.3602, 35.0975, 38.2212**.

A 20% lighter version of the original color is **63.1984, 54.8839, 40.9809**, and **24.8418, 15.6887, 6.1338** is the 20% darker color. If you saturate the color by 10%, you get **47.1514, 30.5539, 11.6978**, and if you desaturate by 10%, it is **55.6136, 43.0665, 28.1195**.

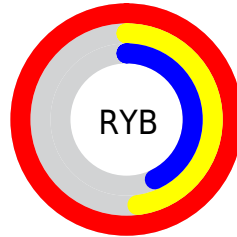
Distribution



Red (100%)

Green (47%)

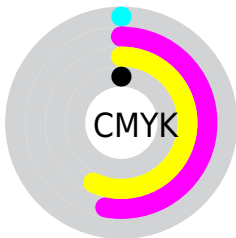
Blue (43%)



Red (100%)

Yellow (48%)

Blue (43%)

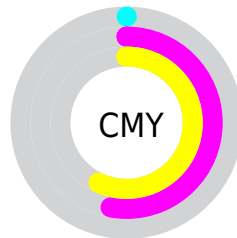


Cyan (0%)

Magenta (53%)

Yellow (57%)

Black (0%)



Cyan (0%)


Magenta (53%)

Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.8377, 36.0389, 18.7448 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 50.8377, 36.0389, 18.7448 by changing the saturation by 10% instead.


 50.8377, 36.0389,
18.7448


 50.8377, 36.0389,
18.7448


380.3309,
329.1305, 257.4119

 36.3000, 24.4642,
11.3111


 90.5992, 69.0921,
42.1334


 24.8371, 15.6784,
6.1597


 116.5538, 91.3394,
58.9253

 16.0838, 9.2968,
2.8721


 147.0446,
117.9131, 79.6737

 9.6747, 4.9353,
1.0297

 182.4371,
149.1975, 104.7971

 5.2444, 2.2093,
0.0000

223.0966,
185.5771, 134.7141

 2.4276, 0.7251,
0.0000

269.3886,

 0.8589, 0.0000,

227.4362, 169.8432

0.0000

321.6782,
275.1592, 210.6030

■ 0.0000, 0.0000,
0.0000

■ 50.8377, 36.0389,
18.7448

■ 50.8377, 36.0389,
18.7448

■ 47.1514, 30.5539,
11.6978

■ 55.6136, 43.0665,
28.1195

■ 44.4659, 26.4901,
6.7726

■ 61.5534, 51.7346,
39.9998

■ 42.6825, 23.7171,
3.7307

■ 68.7279, 62.1401,
54.5486

■ 41.6793, 22.0774,
2.2657

■ 77.2014, 74.3704,
71.9146

■ 41.5074, 21.7952,
2.0192

■ 87.0340, 88.5072,
92.2354

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.



54.2277, 36.0389, 37.7061



50.8377, 36.0389, 18.7448



42.9304, 36.0389, 10.0535

Triad

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



50.8377, 36.0389, 18.7448



21.3384, 36.0389, 20.4388



34.7996, 36.0389, 110.8656

Complementary

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



50.8377, 36.0389, 18.7448



56.4050, 74.5678, 106.0274

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.



26.8331, 36.0389, 99.7716



50.8377, 36.0389, 18.7448



19.9079, 36.0389, 40.8154

Square

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



50.8377, 36.0389, 18.7448



26.0421, 36.0389, 10.6937



21.7368, 36.0389, 70.9538



44.0325, 36.0389, 96.9036

Rectangle

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



50.8377, 36.0389, 18.7448



36.7295, 36.0389, 8.0714



21.7368, 36.0389, 70.9538



31.8921, 36.0389, 109.9291

Sweetspot

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



50.8386, 36.0408, 18.7454



77.4348, 74.7064, 72.3946



63.2307, 38.8063, 90.7572



16.1854, 15.4300, 14.6956



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.



50.8386, 36.0408, 18.7454



46.6133, 29.7456, 10.6914



62.7914, 59.9464, 22.7297



18.1294, 18.2270, 18.7070



21.7301, 11.4714, 1.0689



2.1550, 1.1954, 0.1172

Inverse Universe

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



56.4050, 74.5678, 106.0274



52.5948, 71.5168, 105.6398



39.1601, 40.0781, 100.2791



18.4196, 20.2107, 23.1802



24.8631, 34.6358, 54.8095



2.4571, 3.4448, 5.3487

Previews

White Background



This preview shows how the XYZ color 50.8377, 36.0389, 18.7448 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 50.8377, 36.0389, 18.7448 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 50.8377, 36.0389, 18.7448

Background



This preview shows how black text looks on a background with the XYZ color 50.8377, 36.0389, 18.7448.



This preview shows how white text looks on a background with the XYZ color 50.8377, 36.0389,

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

50.8377, 36.0389, 18.7448

Protanopia

33.9198, 36.2313, 24.9442

Deuteranopia

36.9345, 36.1577, 17.8644



Tritanopia

51.6676, 35.9860, 24.3015

Trichromacy



Original Color

50.8377, 36.0389, 18.7448

Protanomaly

38.4525, 34.9200, 22.4829

Deuteranomaly

40.9875, 35.4166, 18.0404

Tritanomaly

51.3466, 36.0490, 22.0212

Monochromacy



Original Color

50.8377, 36.0389, 18.7448

Achromatopsia

33.4132, 35.1533, 38.2819

Achromatomaly

37.5923, 34.0830, 29.7966

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.8377, 36.0389, 18.7448 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, 121, 109)` looks like.

```
.text, #text, p{  
  color:rgb(255, 121, 109)  
}
```

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, 121, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 121, 109) }
```

Border

The CSS property to change the border of an element to XYZ 50.8377, 36.0389, 18.7448 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, 121, 109) }
```


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

```
.border{ border-color:rgb(255, 121, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 121, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 121, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 121, 109);  
box-shadow:4px 4px 4px 4px rgb(255, 121,  
109) }
```

Background

The CSS property to change the background color of an element to XYZ 50.8377, 36.0389, 18.7448 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 121, 109) }
```

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

```
.background{ background-color: rgb(255,  
121, 109) }
```

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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