

Converting Colors

XYZ(50.8789, 35.9622, 19.2489)

Have a look what the booklet for
XYZ(50.8789, 35.9622, 19.2489)
contains.

XYZ(50.9466, 36.0824, 19.3184)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(50.9466, 36.0824,
19.3184)**

Conversions

Conversions Part 1

Format	Color
Hex	FF796F
RGB	255, 121, 111
RGB Percent	100%, 47%, 44%
CMY	0.0000, 0.5255, 0.5647
CMYK	0.00, 0.53, 0.56, 0.00
HSL	4°, 100%, 72%
HSV	4°, 56%, 100%
XYZ	50.9466, 36.0824, 19.3184
YIQ	159.9260, 83.0740, 25.2980

Conversions

Conversions Part 2

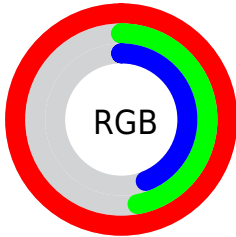
Format	Color
R _Y B	255, 122, 111
Decimal	16742767
CIE Lab	66.58, 50.20, 30.00
CIE LCh	67, 58.480, 30.865
Yxy	36.0824, 0.4791, 0.3393
Android (android.graphics.Color)	4294932847 (0xFFFF796F)
YUV	159.9260, -24.1205, 83.3799
Hunter-Lab	60.0686, 46.2729, 22.9801

Details

The XYZ color **50.9466, 36.0824, 19.3184** is a light color, and the websafe version is hex **FF6666**. A complement of this color would be **57.2558, 75.8999, 106.2398**, and the grayscale version is **33.4615, 35.2041, 38.3372**.

A 20% lighter version of the original color is **63.3762, 54.9550, 41.9174**, and **24.8967, 15.7106, 6.4229** is the 20% darker color. If you saturate the color by 10%, you get **47.2001, 30.5250, 12.1033**, and if you desaturate by 10%, it is **55.8046, 43.2220, 28.8812**.

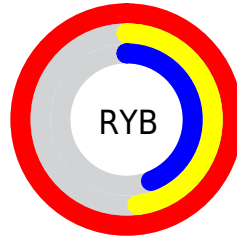
Distribution



Red (100%)

Green (47%)

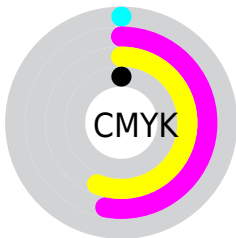
Blue (44%)



Red (100%)

Yellow (48%)

Blue (44%)

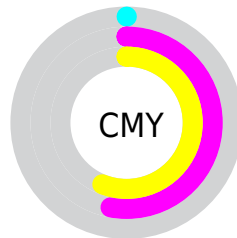


Cyan (0%)

Magenta (53%)

Yellow (56%)

Black (0%)



Cyan (0%)


Magenta (53%)


Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.9466, 36.0824, 19.3184 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 50.9466, 36.0824, 19.3184 by changing the saturation by 10% instead.


 50.9466, 36.0824,
19.3184


 50.9466, 36.0824,
19.3184

380.7474,
329.3206, 260.6820

 36.3870, 24.4978,
11.7214


 90.7593, 69.1592,
43.1153


 24.9047, 15.7033,
6.4341


 116.7431, 91.4203,
60.1523

 16.1344, 9.3145,
3.0377


 147.2656,
118.0090, 81.1730

 9.7108, 4.9469,
1.1139

 182.6923,
149.3097, 106.5960

 5.2684, 2.2161,
0.0000

223.3885,
185.7068, 136.8399

 2.4420, 0.7288,
0.0000

269.7195,

 0.8661, 0.0000,

227.5847, 172.3232

0.0000

322.0506,
275.3278, 213.4643

■ 0.0000, 0.0000,
0.0000

■ 50.9466, 36.0824,
19.3184

■ 50.9466, 36.0824,
19.3184

■ 47.2001, 30.5250,
12.1033

■ 55.8046, 43.2220,
28.8812

■ 44.4745, 26.4242,
7.0315

■ 61.8499, 52.0454,
40.9689

■ 42.6689, 23.6445,
3.8665

■ 69.1550, 62.6528,
55.7438

■ 41.6607, 22.0227,
2.3135

■ 77.7855, 75.1346,
73.3542

■ 41.4516, 21.6835,
2.0006

■ 87.8026, 89.5753,
93.9374

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.



54.1245, 36.0824, 38.5613



50.9466, 36.0824, 19.3184



43.2005, 36.0824, 10.3593

Triad

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



50.9466, 36.0824, 19.3184



21.5483, 36.0824, 20.1177



34.5510, 36.0824, 110.2897

Complementary

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



50.9466, 36.0824, 19.3184



57.2558, 75.8999, 106.2398

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.



26.7064, 36.0824, 98.5548



50.9466, 36.0824, 19.3184



20.0186, 36.0824, 40.0229

Square

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



50.9466, 36.0824, 19.3184



26.3341, 36.0824, 10.6627



21.7361, 36.0824, 69.7224



43.7181, 36.0824, 97.2118

Rectangle

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



50.9466, 36.0824, 19.3184



37.0494, 36.0824, 8.2544



21.7361, 36.0824, 69.7224



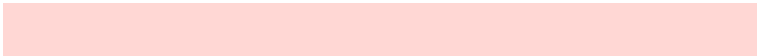
31.6811, 36.0824, 109.0833

Sweetspot

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



50.9475, 36.0843, 19.3190



77.2941, 74.4250, 72.3477



63.4669, 39.2461, 90.9366



16.1527, 15.3646, 14.6847



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.



50.9475, 36.0843, 19.3190



46.7195, 29.8064, 11.1939



63.0908, 60.3710, 23.3668



18.1107, 18.1896, 18.7007



21.6965, 11.4041, 1.0577



2.1462, 1.1778, 0.1142

Inverse Universe

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



57.2558, 75.8999, 106.2398



53.5306, 73.0672, 105.8898



39.6261, 40.6405, 100.3632



18.4404, 20.2525, 23.1872



25.3439, 35.5973, 54.9698



2.4988, 3.5282, 5.3626

Previews

White Background



This preview shows how the XYZ color 50.9466, 36.0824, 19.3184 looks on a white background.

Color Contrast Check

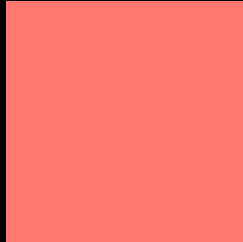
Large Text (above 18pt) WCAG AA × Fail

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 50.9466, 36.0824, 19.3184 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 50.9466, 36.0824, 19.3184

Background



This preview shows how black text looks on a background with the XYZ color 50.9466, 36.0824, 19.3184.



This preview shows how white text looks on a background with the XYZ color 50.9466, 36.0824,

19.3184.

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

50.9466, 36.0824, 19.3184

Protanopia

34.1164, 36.3099, 25.9793

Deuteranopia

36.7768, 36.0647, 18.3874



Tritanopia

51.6676, 35.9860, 24.3015

Trichromacy



Original Color

50.9466, 36.0824, 19.3184

Protanomaly

38.5752, 34.9691, 23.1289

Deuteranomaly

41.0916, 35.4582, 18.5883

Tritanomaly

51.4077, 36.0734, 22.3425

Monochromacy



Original Color

50.9466, 36.0824, 19.3184

Achromatopsia

33.4132, 35.1533, 38.2819

Achromatomaly

37.6670, 34.1129, 30.1904

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.9466, 36.0824, 19.3184 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, 111)` looks like.

```
.text, #text, p{  
    color:rgb(255, 121, 111)  
}
```

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, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 121, 111) }
```

Border

The CSS property to change the border of an element to XYZ 50.9466, 36.0824, 19.3184 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, 111) }
```


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

```
.border{ border-color:rgb(255, 121, 111) }
```

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, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 121, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 121, 111);  
box-shadow:4px 4px 4px 4px rgb(255, 121,  
111) }
```

Background

The CSS property to change the background color of an element to XYZ 50.9466, 36.0824, 19.3184 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, 111) }
```

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

```
.background{ background-color: rgb(255,  
121, 111) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor