

# Converting Colors

XYZ(50.0409, 34.4837, 18.3622)

Have a look what the booklet for  
XYZ(50.0409, 34.4837, 18.3622)  
contains.

<b>XYZ(50.0176, 34.3988, 18.4714)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(50.0176, 34.3988,  
18.4714)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF726D
RGB	255, 114, 109
RGB Percent	100%, 45%, 43%
CMY	0.0000, 0.5529, 0.5725
CMYK	0.00, 0.55, 0.57, 0.00
HSL	2°, 100%, 71%
HSV	2°, 57%, 100%
XYZ	50.0176, 34.3988, 18.4714
YIQ	155.5890, 85.6410, 28.3370

# Conversions

## Conversions Part 2

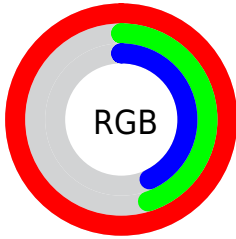
Format	Color
R <sub>Y</sub> B	255, 114, 109
Decimal	16740973
CIE Lab	65.28, 53.34, 29.42
CIE LCh	65, 60.914, 28.878
Yxy	34.3988, 0.4861, 0.3343
Android (android.graphics.Color)	4294931053 (0xFFFF726D)
YUV	155.5890, -22.9684, 87.1834
Hunter-Lab	58.6505, 49.5878, 22.3825

# Details

The XYZ color **50.0176, 34.3988, 18.4714** is a light color, and the websafe version is hex **FF6666**. A complement of this color would be **58.5396, 78.8370, 106.7388**, and the grayscale version is **31.4904, 33.1304, 36.0790**.

A 20% lighter version of the original color is **62.0477, 52.5827, 40.5974**, and **24.3986, 14.8023, 5.9861** is the 20% darker color. If you saturate the color by 10%, you get **46.4249, 29.1010, 11.4556**, and if you desaturate by 10%, it is **54.7576, 41.3546, 27.8340**.

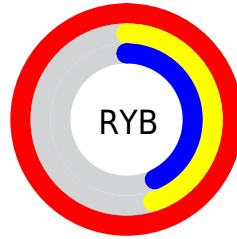
# Distribution



Red (100%)

Green (45%)

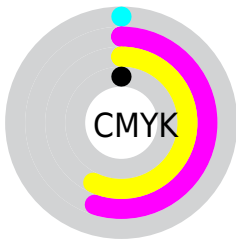
Blue (43%)



Red (100%)

Yellow (45%)

Blue (43%)

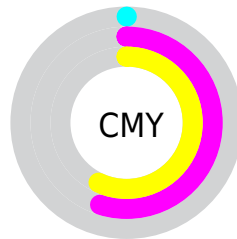


Cyan (0%)

Magenta (55%)

Yellow (57%)

Black (0%)



Cyan (0%)

Magenta (55%)


Yellow (57%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 50.0176, 34.3988, 18.4714 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 50.0176, 34.3988, 18.4714 by changing the saturation by 10% instead.





 50.0176, 34.3988,  
18.4714


 50.0176, 34.3988,  
18.4714

377.1856,  
321.9066, 255.8396

 35.6452, 23.2001,  
11.1160


 89.3926, 66.5534,  
41.6637


 24.3292, 14.7414,  
6.0298


 115.1260, 88.2780,  
58.3377

 15.7040, 8.6381,  
2.7941


 145.3771,  
114.2802, 78.9550

 9.4045, 4.5059,  
0.9905

 180.5112,  
144.9442, 103.9341

 5.0652, 1.9604,  
0.0000

220.8938,  
180.6544, 133.6935

 2.3207, 0.5843,  
0.0000

266.8901,

 0.8052, 0.0000,

221.7953, 168.6519

0.0000

318.8656,  
268.7513, 209.2278

■ 0.0000, 0.0000,  
0.0000

■ 50.0176, 34.3988,  
18.4714

■ 50.0176, 34.3988,  
18.4714

■ 46.4249, 29.1010,  
11.4556

■ 54.7576, 41.3546,  
27.8340

■ 43.8799, 25.3183,  
6.5773

■ 60.7283, 50.0846,  
39.7246

■ 42.2706, 22.8935,  
3.5935

■ 68.0083, 60.7010,  
54.3086

■ 41.4562, 21.6314,  
2.1913

■ 76.6688, 73.3054,  
71.7369

■ 41.3347, 21.4497,  
1.9616

■ 86.7762, 87.9918,  
92.1492

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.



52.8820, 34.3988, 38.4187



50.0176, 34.3988, 18.4714



42.3255, 34.3988, 9.2712

# Triad

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



50.0176, 34.3988, 18.4714



20.1606, 34.3988, 17.4569



32.3623, 34.3988, 110.5844

# Complementary

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



50.0176, 34.3988, 18.4714



58.5396, 78.8370, 106.7388

# 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.



24.6488, 34.3988, 96.7561



50.0176, 34.3988, 18.4714



18.4364, 34.3988, 36.5065

# Square

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



50.0176, 34.3988, 18.4714



25.1309, 34.3988, 8.8994



19.9197, 34.3988, 66.3413



41.6424, 34.3988, 98.5673



# Rectangle

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



50.0176, 34.3988, 18.4714



36.0962, 34.3988, 7.0642



19.9197, 34.3988, 66.3413



29.5145, 34.3988, 108.7264

# Sweetspot

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



50.0184, 34.4007, 18.4720



76.9083, 73.6533, 72.2191



63.9846, 39.1078, 94.7278



16.0631, 15.1854, 14.6548



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.



50.0184, 34.4007, 18.4720



45.9083, 28.3357, 10.4564



61.7422, 57.8481, 22.3799



18.0593, 18.0868, 18.6836



21.6200, 11.2512, 1.0322



2.1219, 1.1291, 0.1061



# Inverse Universe

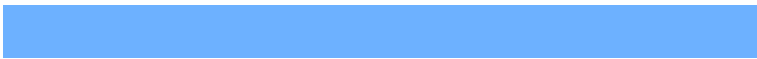
The Inverse Universe completely reimagines the original color for something new.



58.5396, 78.8370, 106.7388



55.1433, 76.6138, 106.4893



40.1052, 41.9683, 100.5941



18.4983, 20.3682, 23.2064



26.7156, 38.3408, 55.4270



2.6173, 3.7653, 5.4021



# Previews

## White Background



This preview shows how the XYZ color 50.0176, 34.3988, 18.4714 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 50.0176, 34.3988, 18.4714 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 50.0176, 34.3988, 18.4714

## Background



This preview shows how black text looks on a background with the XYZ color 50.0176, 34.3988, 18.4714.



This preview shows how white text looks on a background with the XYZ color 50.0176, 34.3988,

18.4714.

# 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

50.0176, 34.3988, 18.4714

### Protanopia

32.4429, 34.6796, 25.4060

### Deuteranopia

35.1124, 34.4921, 17.3774



## Tritanopia

50.5353, 34.4263, 21.7507

# Trichromacy



## Original Color

50.0176, 34.3988, 18.4714

## Protanomaly

37.0931, 33.3048, 22.5626

## Deuteranomaly

39.3698, 33.4930, 17.7544

## Tritanomaly

50.2975, 34.3312, 20.4986

# Monochromacy



## Original Color

50.0176, 34.3988, 18.4714

## Achromatopsia

31.5995, 33.2452, 36.2040

## Achromatomaly

35.9233, 32.1203, 28.7326

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 50.0176, 34.3988, 18.4714 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, 114, 109)` looks like.

```
.text, #text, p{  
    color:rgb(255, 114, 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, 114, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 114, 109) }
```

## Border

The CSS property to change the border of an element to XYZ 50.0176, 34.3988, 18.4714 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, 114, 109) }
```



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

```
.border{ border-color:rgb(255, 114, 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, 114, 109) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 114, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 114, 109);  
box-shadow:4px 4px 4px 4px rgb(255, 114,  
109) }
```

# Background

The CSS property to change the background color of an element to XYZ 50.0176, 34.3988, 18.4714 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 114, 109) }
```

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

```
.background{ background-color: rgb(255,  
114, 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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