

Converting Colors

XYZ(63.3586, 41.8032, 19.7740)

Have a look what the booklet for
XYZ(63.3586, 41.8032, 19.7740)
contains.

XYZ(50.4705, 35.1303, 19.1597)	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(50.4705, 35.1303,
19.1597)**

Conversions

Conversions Part 1

Format	Color
Hex	FF756F
RGB	255, 117, 111
RGB Percent	100%, 46%, 44%
CMY	0.0000, 0.5411, 0.5647
CMYK	0.00, 0.54, 0.56, 0.00
HSL	3°, 100%, 72%
HSV	3°, 56%, 100%
XYZ	50.4705, 35.1303, 19.1597
YIQ	157.5780, 84.1740, 27.3900

Conversions

Conversions Part 2

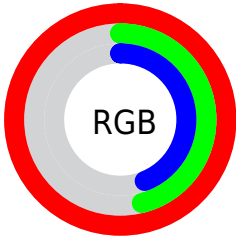
Format	Color
R _Y B	255, 117, 111
Decimal	16741743
CIE Lab	65.85, 52.09, 29.05
CIE LCh	66, 59.639, 29.146
Yxy	35.1303, 0.4818, 0.3353
Android (android.graphics.Color)	4294931823 (0xFFFF756F)
YUV	157.5780, -22.9630, 85.4391
Hunter-Lab	59.2708, 48.2730, 22.3237

Details

The XYZ color **50.4705, 35.1303, 19.1597** is a light color, and the websafe version is hex **FF6666**. A complement of this color would be **58.4787, 78.3458, 106.6473**, and the grayscale version is **32.3835, 34.0700, 37.1022**.

A 20% lighter version of the original color is **62.6034, 53.4094, 41.6598**, and **24.6121, 15.1416, 6.3280** is the 20% darker color. If you saturate the color by 10%, you get **46.7764, 29.6776, 11.9621**, and if you desaturate by 10%, it is **55.3100, 42.2329, 28.7163**.

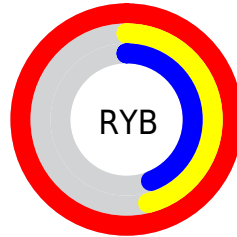
Distribution



Red (100%)

Green (46%)

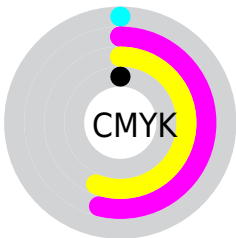
Blue (44%)



Red (100%)

Yellow (46%)

Blue (44%)

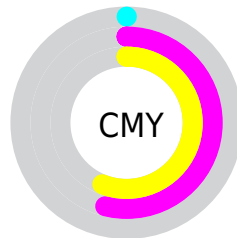


Cyan (0%)

Magenta (54%)

Yellow (56%)

Black (0%)



Cyan (0%)


Magenta (54%)


Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 50.4705, 35.1303, 19.1597 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 50.4705, 35.1303, 19.1597 by changing the saturation by 10% instead.


 50.4705, 35.1303,
19.1597


 50.4705, 35.1303,
19.1597


378.9247,
325.1431, 259.7810

 36.0067, 23.7633,
11.6078


 90.0593, 67.6876,
42.8441


 24.6095, 15.1581,
6.3579


 115.9149, 89.6466,
59.8136

 15.9135, 8.9304,
2.9916


 146.2986,
115.9051, 80.7593

 9.5535, 4.6958,
1.0904

 181.5757,
146.8474, 106.0999

 5.1639, 2.0699,
0.0000

222.1115,
182.8580, 136.2538

 2.3795, 0.6476,
0.0000

268.2713,

 0.8349, 0.0000,

224.3212, 171.6396

0.0000

320.4206,
271.6214, 212.6758

■ 0.0000, 0.0000,
0.0000

■ 50.4705, 35.1303,
19.1597

■ 50.4705, 35.1303,
19.1597

■ 46.7764, 29.6776,
11.9621

■ 55.3100, 42.2329,
28.7163

■ 44.1308, 25.7369,
6.9169

■ 61.3760, 51.0977,
40.8109

■ 42.4253, 23.1574,
3.7853

■ 68.7453, 61.8336,
55.6072

■ 41.5264, 21.7543,
2.2688

■ 77.4877, 74.5392,
73.2548

■ 41.3553, 21.4910,
1.9685

■ 87.6680, 89.3062,
93.8924

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.



53.3448, 35.1303, 38.9784



50.4705, 35.1303, 19.1597



42.8493, 35.1303, 9.8962

Triad

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



50.4705, 35.1303, 19.1597



20.8610, 35.1303, 18.3808



33.1385, 35.1303, 110.1177

Complementary

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



50.4705, 35.1303, 19.1597



58.4787, 78.3458, 106.6473

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.



25.4371, 35.1303, 96.8142



50.4705, 35.1303, 19.1597



19.1595, 35.1303, 37.5326

Square

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



50.4705, 35.1303, 19.1597



25.8035, 35.1303, 9.6055



20.6771, 35.1303, 67.0650



42.3350, 35.1303, 98.1631

Rectangle

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



50.4705, 35.1303, 19.1597



36.6816, 35.1303, 7.6559



20.6771, 35.1303, 67.0650



30.3020, 35.1303, 108.3820

Sweetspot

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



50.4714, 35.1322, 19.1603



76.9893, 73.8153, 72.2461



64.2109, 39.5436, 94.8549



16.0819, 15.2230, 14.6611



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.



50.4714, 35.1322, 19.1603



46.3064, 28.9803, 11.0562



62.0496, 58.2887, 23.0197



18.0701, 18.1084, 18.6872



21.6354, 11.2820, 1.0373



2.1270, 1.1394, 0.1078

Inverse Universe

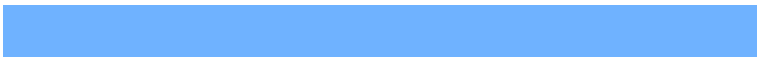
The Inverse Universe completely reimagines the original color for something new.



58.4787, 78.3458, 106.6473



54.9904, 75.9868, 106.3764



40.5658, 42.5201, 100.6763



18.4861, 20.3438, 23.2024



26.4210, 37.7515, 55.3288



2.5919, 3.7145, 5.3936

Previews

White Background



This preview shows how the XYZ color 50.4705, 35.1303, 19.1597 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 50.4705, 35.1303, 19.1597 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 50.4705, 35.1303, 19.1597

Background



This preview shows how black text looks on a background with the XYZ color 50.4705, 35.1303, 19.1597.



This preview shows how white text looks on a background with the XYZ color 50.4705, 35.1303,

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

50.4705, 35.1303, 19.1597

Protanopia

33.1776, 35.2994, 26.1839

Deuteranopia

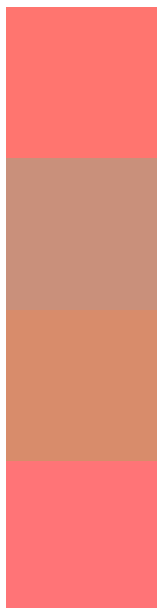
35.9334, 35.1398, 18.2534



Tritanopia

51.0605, 35.1808, 22.8383

Trichromacy



Original Color

50.4705, 35.1303, 19.1597

Protanomaly

37.6358, 33.7941, 23.2782

Deuteranomaly

40.3508, 34.4166, 18.4263

Tritanomaly

50.8152, 35.0827, 21.5461

Monochromacy



Original Color

50.4705, 35.1303, 19.1597

Achromatopsia

32.4990, 34.1914, 37.2345

Achromatomaly

36.6225, 32.9055, 29.6205

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.4705, 35.1303, 19.1597 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, 117, 111)` looks like.

```
.text, #text, p{  
    color:rgb(255, 117, 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, 117, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 117, 111) }
```

Border

The CSS property to change the border of an element to XYZ 50.4705, 35.1303, 19.1597 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, 117, 111) }
```


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

```
.border{ border-color:rgb(255, 117, 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, 117, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 117, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 117, 111);  
box-shadow:4px 4px 4px 4px rgb(255, 117,  
111) }
```

Background

The CSS property to change the background color of an element to XYZ 50.4705, 35.1303, 19.1597 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 117, 111) }
```

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

```
.background{ background-color: rgb(255,  
117, 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