

Converting Colors

XYZ(56.8197, 37.7706, 18.4683)

Have a look what the booklet for
XYZ(56.8197, 37.7706, 18.4683)
contains.

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Color

**XYZ(49.8519, 34.1530,
18.1521)**

Conversions

Conversions Part 1

Format	Color
Hex	FF716C
RGB	255, 113, 108
RGB Percent	100%, 44%, 42%
CMY	0.0000, 0.5568, 0.5765
CMYK	0.00, 0.56, 0.58, 0.00
HSL	2°, 100%, 71%
HSV	2°, 58%, 100%
XYZ	49.8519, 34.1530, 18.1521
YIQ	154.8880, 86.2370, 28.5490

Conversions

Conversions Part 2

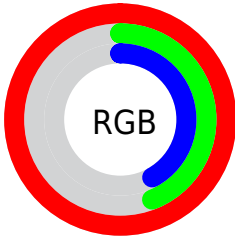
Format	Color
R_{YB}	255, 113, 108
Decimal	16740716
CIE _{Lab}	65.08, 53.73, 29.73
CIE _{LCh}	65, 61.404, 28.953
Yxy	34.1530, 0.4880, 0.3343
Android (android.graphics.Color)	4294930796 (0xFFFF716C)
YUV	154.8880, -23.1158, 87.7982
Hunter-Lab	58.4406, 49.9959, 22.4925

Details

The XYZ color **49.8519, 34.1530, 18.1521** is a light color, and the websafe version is hex **FF6666**. A complement of this color would be **58.4174, 78.7741, 106.7332**, and the grayscale version is **31.1797, 32.8035, 35.7230**.

A 20% lighter version of the original color is **61.7731, 52.1740, 40.0725**, and **24.2711, 14.5900, 5.8119** is the 20% darker color. If you saturate the color by 10%, you get **46.3027, 28.9184, 11.2244**, and if you desaturate by 10%, it is **54.5451, 41.0411, 27.4191**.

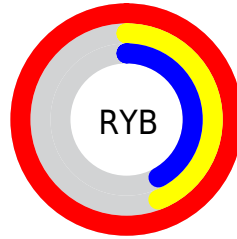
Distribution



Red (100%)

Green (44%)

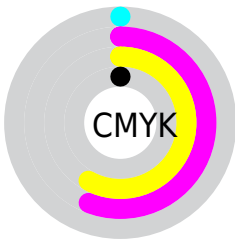
Blue (42%)



Red (100%)

Yellow (44%)

Blue (42%)

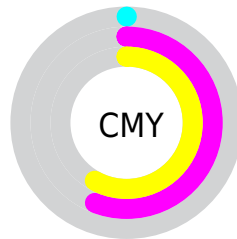


Cyan (0%)

Magenta (56%)

Yellow (58%)

Black (0%)



Cyan (0%)


Magenta (56%)


Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.8519, 34.1530, 18.1521 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 49.8519, 34.1530, 18.1521 by changing the saturation by 10% instead.


 49.8519, 34.1530,
18.1521


 49.8519, 34.1530,
18.1521


376.5481,
320.8137, 253.9918

 35.5131, 23.0112,
10.8887


 89.1485, 66.1715,
41.1138


 24.2267, 14.6017,
5.8788


 114.8370, 87.8170,
57.6491

 15.6275, 8.5404,
2.7039


 145.0395,
113.7325, 78.1121

 9.3501, 4.4426,
0.9454

 180.1212,
144.3024, 102.9214

 5.0292, 1.9241,
0.0000

220.4476,
179.9110, 132.4955

 2.2993, 0.5628,
0.0000

266.3839,

 0.7943, 0.0000,

220.9429, 167.2529

0.0000

318.2956,
267.7823, 207.6121

■ 0.0000, 0.0000,
0.0000

■ 49.8519, 34.1530,
18.1521

■ 49.8519, 34.1530,
18.1521

■ 46.3027, 28.9184,
11.2244

■ 54.5451, 41.0411,
27.4191

■ 43.7974, 25.1936,
6.4255

■ 60.4661, 49.6995,
39.2074

■ 42.2231, 22.8201,
3.5105

■ 67.6938, 60.2410,
53.6830

■ 41.4363, 21.6003,
2.1577

■ 76.2998, 72.7673,
70.9974

■ 41.3341, 21.4485,
1.9614

■ 86.3506, 87.3730,
91.2907

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.



52.7490, 34.1530, 38.0890



49.8519, 34.1530, 18.1521



42.1090, 34.1530, 9.0220

Triad

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



49.8519, 34.1530, 18.1521



19.8986, 34.1530, 17.2079



32.1499, 34.1530, 110.8435

Complementary

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



49.8519, 34.1530, 18.1521



58.4174, 78.7741, 106.7332

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.



24.4128, 34.1530, 96.9471



49.8519, 34.1530, 18.1521



18.1838, 34.1530, 36.2990

Square

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



49.8519, 34.1530, 18.1521



24.8632, 34.1530, 8.6783



19.6739, 34.1530, 66.3091



41.4685, 34.1530, 98.6523

Rectangle

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



49.8519, 34.1530, 18.1521



35.8513, 34.1530, 6.8474



19.6739, 34.1530, 66.3091



29.2922, 34.1530, 108.9905

Sweetspot

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



49.8527, 34.1549, 18.1527



76.9057, 73.6481, 72.2183



63.8734, 38.8936, 94.6650



16.0625, 15.1842, 14.6546



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.



49.8527, 34.1549, 18.1527



45.9051, 28.3292, 10.4553



61.5899, 57.6293, 22.0651



18.0590, 18.0861, 18.6835



21.6195, 11.2502, 1.0320



2.1217, 1.1288, 0.1060

Inverse Universe

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



58.4174, 78.7741, 106.7332



55.1561, 76.6394, 106.4936



39.8777, 41.6948, 100.5533



18.4987, 20.3690, 23.2066



26.7250, 38.3596, 55.4302



2.6181, 3.7669, 5.4024

Previews

White Background



This preview shows how the XYZ color 49.8519, 34.1530, 18.1521 looks on a white background.

Color Contrast Check

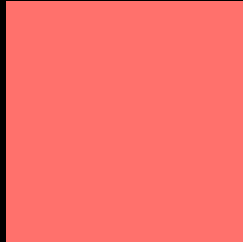
Large Text (above 18pt) WCAG AA × Fail

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 49.8519, 34.1530, 18.1521 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 49.8519, 34.1530, 18.1521

Background



This preview shows how black text looks on a background with the XYZ color 49.8519, 34.1530, 18.1521.



This preview shows how white text looks on a background with the XYZ color 49.8519, 34.1530,

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

49.8519, 34.1530, 18.1521

Protanopia

32.2716, 34.3371, 25.3489

Deuteranopia

34.9014, 34.1492, 17.0639



Tritanopia

50.3639, 34.1803, 21.3957

Trichromacy



Original Color

49.8519, 34.1530, 18.1521

Protanomaly

36.9436, 33.0058, 22.5128

Deuteranomaly

39.1759, 33.1869, 17.4376

Tritanomaly

50.1287, 34.0861, 20.1569

Monochromacy



Original Color

49.8519, 34.1530, 18.1521

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

35.4514, 31.6675, 28.2887

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.8519, 34.1530, 18.1521 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, 113, 108)` looks like.

```
.text, #text, p{  
    color:rgb(255, 113, 108)  
}
```

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, 113, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 113, 108) }
```

Border

The CSS property to change the border of an element to XYZ 49.8519, 34.1530, 18.1521 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, 113, 108) }
```


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

```
.border{ border-color:rgb(255, 113, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 113, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 113, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 113, 108);  
box-shadow:4px 4px 4px 4px rgb(255, 113,  
108) }
```

Background

The CSS property to change the background color of an element to XYZ 49.8519, 34.1530, 18.1521 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 113, 108) }
```

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

```
.background{ background-color: rgb(255,  
113, 108) }
```

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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