

Converting Colors

XYZ(46.8003, 31.0158, 19.1194)

Have a look what the booklet for
XYZ(46.8003, 31.0158, 19.1194)
contains.

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Color

**XYZ(46.8978, 31.0325,
19.1409)**

Conversions

Conversions Part 1

Format	Color
Hex	F96771
RGB	249, 103, 113
RGB Percent	98%, 40%, 44%
CMY	0.0235, 0.5960, 0.5569
CMYK	0.00, 0.59, 0.55, 0.02
HSL	356°, 92%, 69%
HSV	356°, 59%, 98%
XYZ	46.8978, 31.0325, 19.1409
YIQ	147.7940, 83.8060, 34.0620

Conversions

Conversions Part 2

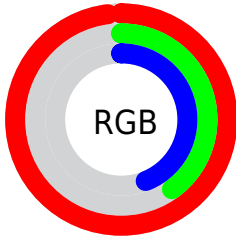
Format	Color
R _Y B	249, 103, 113
Decimal	16344945
CIE Lab	62.54, 56.59, 23.37
CIE LCh	63, 61.223, 22.438
Yxy	31.0325, 0.4831, 0.3197
Android (android.graphics.Color)	4294535025 (0xFFFF96771)
YUV	147.7940, -17.1534, 88.7577
Hunter-Lab	55.7068, 52.7865, 18.6227

Details

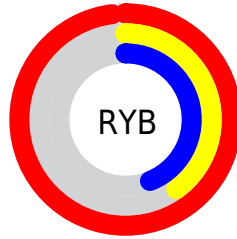
The XYZ color **46.8978, 31.0325, 19.1409** is a light color, and the websafe version is hex **FF6666**. A complement of this color would be **55.0512, 76.8676, 93.6026**, and the grayscale version is **28.1085, 29.5723, 32.2042**.

A 20% lighter version of the original color is **60.4297, 48.7729, 41.8264**, and **22.3860, 12.8232, 6.2963** is the 20% darker color. If you saturate the color by 10%, you get **43.6361, 26.3388, 12.4135**, and if you desaturate by 10%, it is **51.2320, 37.3374, 27.8725**.

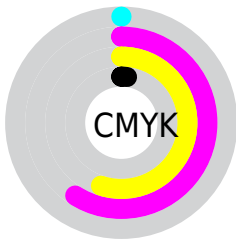
Distribution



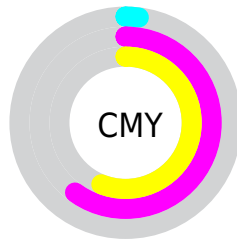
- Red (98%)
- Green (40%)
- Blue (44%)



- Red (98%)
- Yellow (40%)
- Blue (44%)



- Cyan (0%)
- Magenta (59%)
- Yellow (55%)
- Black (2%)





- Cyan (2%)
- Magenta (60%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.8978, 31.0325, 19.1409 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 46.8978, 31.0325, 19.1409 by changing the saturation by 10% instead.


 46.8978, 31.0325,
19.1409


 46.8978, 31.0325,
19.1409

365.0622,
306.6880, 259.6741

 33.1625, 20.6236,
11.5943


 84.7807, 61.2912,
42.8119


 22.4108, 12.8491,
6.3489


 109.6590, 81.9099,
59.7734

 14.2773, 7.3247,
2.9862


 138.9824,
106.7005, 80.7103

 8.3968, 3.6660,
1.0876

 173.1161,
136.0476, 106.0410

 4.4038, 1.4885,
0.0000

212.4256,
170.3355, 136.1843

 1.9330, 0.2806,
0.0000

257.2762,

 0.5959, 0.0000,

209.9486, 171.5585

0.0000

308.0333,
255.2713, 212.5823

■ 0.0000, 0.0000,
0.0000

■ 46.8978, 31.0325,
19.1409

■ 46.8978, 31.0325,
19.1409

■ 43.6361, 26.3388,
12.4135

■ 51.2320, 37.3374,
27.8725

■ 41.3508, 23.1055,
7.5294

■ 56.7188, 45.3764,
38.7488

■ 39.9330, 21.1624,
4.3055

■ 63.4337, 55.2664,
51.8995

■ 39.2320, 20.2649,
2.5158

■ 71.4447, 67.1127,
67.4435

■ 39.1682, 20.1802,
2.3628

■ 80.8152, 81.0125,
85.4914

91.6041, 97.0568,
106.1470

92.8767, 98.8796,
108.7983

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



48.3739, 31.0325, 40.1867



46.8978, 31.0325, 19.1409



40.3667, 31.0325, 8.9237

Triad

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



46.8978, 31.0325, 19.1409



18.5414, 31.0325, 12.8424



27.4391, 31.0325, 102.6296

Complementary

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



46.8978, 31.0325, 19.1409



55.0512, 76.8676, 93.6026

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.



20.7756, 31.0325, 84.6975



46.8978, 31.0325, 19.1409



16.3055, 31.0325, 28.1093

Square

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



46.8978, 31.0325, 19.1409



23.7992, 31.0325, 6.6641



17.0385, 31.0325, 54.4752



36.0350, 31.0325, 96.3222

Rectangle

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



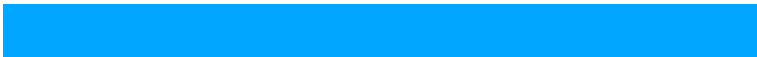
46.8978, 31.0325, 19.1409



34.5926, 31.0325, 6.2223



17.0385, 31.0325, 54.4752



24.9253, 31.0325, 99.0283

Sweetspot

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



46.8986, 31.0342, 19.1414



75.9792, 71.6757, 72.2775



56.8195, 34.5177, 93.2900



15.6988, 14.5066, 14.3798



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.



46.8986, 31.0342, 19.1414



45.6503, 27.2146, 12.2359



54.7619, 47.6122, 19.1381



17.2928, 17.2445, 18.1316



20.9840, 10.8093, 1.3583



1.9598, 1.0076, 0.2115

Inverse Universe

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



46.8986, 31.0342, 19.1414



45.6503, 27.2146, 12.2359



40.7129, 45.7628, 96.3094



17.2928, 17.2445, 18.1316



20.9840, 10.8093, 1.3583



1.9598, 1.0076, 0.2115

Previews

White Background



This preview shows how the XYZ color 46.8978, 31.0325, 19.1409 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 46.8978, 31.0325, 19.1409 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 46.8978, 31.0325, 19.1409

Background



This preview shows how black text looks on a background with the XYZ color 46.8978, 31.0325, 19.1409.



This preview shows how white text looks on a background with the XYZ color 46.8978, 31.0325,

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

46.8978, 31.0325, 19.1409

Protanopia

29.6111, 31.1799, 27.7502

Deuteranopia

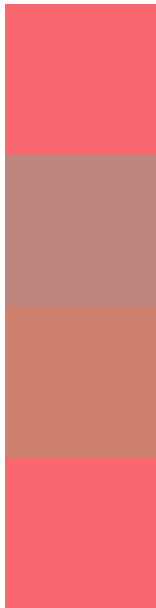
31.7830, 31.1152, 17.9664



Tritanopia

46.7316, 30.9660, 18.2659

Trichromacy



Original Color

46.8978, 31.0325, 19.1409

Protanomaly

33.9072, 29.6851, 24.3648

Deuteranomaly

36.1965, 30.1912, 18.3877

Tritanomaly

46.7864, 30.9879, 18.5543

Monochromacy



Original Color

46.8978, 31.0325, 19.1409

Achromatopsia

28.1479, 29.6138, 32.2495

Achromatomaly

32.6320, 28.5661, 26.7156

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.8978, 31.0325, 19.1409 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(249, 103, 113)` looks like.

```
.text, #text, p{  
    color:rgb(249, 103, 113)  
}
```

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(249, 103, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 103, 113) }
```

Border

The CSS property to change the border of an element to XYZ 46.8978, 31.0325, 19.1409 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(249, 103, 113) }
```


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

```
.border{ border-color:rgb(249, 103, 113) }
```

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

Here you see how a box with a 4 pixel rgb(249, 103, 113) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 103, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 103, 113);  
box-shadow:4px 4px 4px 4px rgb(249, 103,  
113) }
```

Background

The CSS property to change the background color of an element to XYZ 46.8978, 31.0325, 19.1409 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 103, 113) }
```

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

```
.background{ background-color: rgb(249,  
103, 113) }
```

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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