

Converting Colors

XYZ(47.0191, 31.5590, 21.1538)

Have a look what the booklet for
XYZ(47.0191, 31.5590, 21.1538)
contains.

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Color

**XYZ(46.8416, 31.4141,
21.0475)**

Conversions

Conversions Part 1

Format	Color
Hex	F76A77
RGB	247, 106, 119
RGB Percent	97%, 42%, 47%
CMY	0.0314, 0.5843, 0.5333
CMYK	0.00, 0.57, 0.52, 0.03
HSL	354°, 90%, 69%
HSV	354°, 57%, 97%
XYZ	46.8416, 31.4141, 21.0475
YIQ	149.6410, 79.8630, 33.9350

Conversions

Conversions Part 2

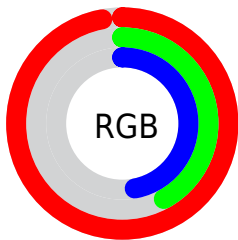
Format	Color
R _Y B	247, 106, 119
Decimal	16214647
CIE Lab	62.86, 55.05, 20.32
CIE LCh	63, 58.678, 20.258
Yxy	31.4141, 0.4717, 0.3163
Android (android.graphics.Color)	4294404727 (0xFFFF76A77)
YUV	149.6410, -15.1060, 85.3838
Hunter-Lab	56.0483, 51.0945, 16.9690

Details

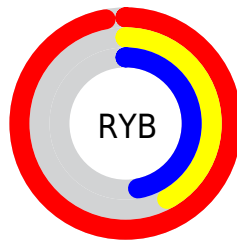
The XYZ color **46.8416, 31.4141, 21.0475** is a light color, and the websafe version is hex **FF6666**. A complement of this color would be **54.0578, 75.5270, 89.5762**, and the grayscale version is **28.8767, 30.3805, 33.0844**.

A 20% lighter version of the original color is **61.5110, 50.0409, 44.9450**, and **22.2432, 12.9658, 7.2915** is the 20% darker color. If you saturate the color by 10%, you get **43.4611, 26.5601, 14.0421**, and if you desaturate by 10%, it is **51.2742, 37.8642, 29.9714**.

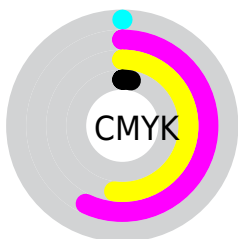
Distribution



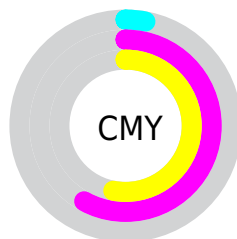
- Red (97%)
- Green (42%)
- Blue (47%)



- Red (97%)
- Yellow (42%)
- Blue (47%)



- Cyan (0%)
- Magenta (57%)
- Yellow (52%)
- Black (3%)





- Cyan (3%)
- Magenta (58%)
- Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.8416, 31.4141, 21.0475 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 46.8416, 31.4141, 21.0475 by changing the saturation by 10% instead.


 46.8416, 31.4141,
21.0475


 46.8416, 31.4141,
21.0475


364.8414,
308.4416, 270.3202

 33.1179, 20.9144,
12.9671


 84.6973, 61.8914,
46.0484


 22.3764, 13.0614,
7.2755


 109.5600, 82.6379,
63.8060

 14.2519, 7.4709,
3.5539


 138.8664,
107.5686, 85.6265

 8.3789, 3.7583,
1.3840

 172.9819,
137.0681, 111.9283

 4.3922, 1.5393,
0.1292

212.2717,
171.5208, 143.1300

 1.9263, 0.3161,
0.0000

257.1014,

 0.5921, 0.0000,

211.3110, 179.6502

0.0000

307.8361,
256.8231, 221.9074

■ 0.0000, 0.0000,
0.0000

■ 46.8416, 31.4141,
21.0475

■ 46.8416, 31.4141,
21.0475

■ 43.4611, 26.5601,
14.0421

■ 51.2742, 37.8642,
29.9714

■ 41.0427, 23.1583,
8.8125

■ 56.8342, 46.0278,
40.9390

■ 39.4855, 21.0477,
5.1985

■ 63.5927, 56.0171,
54.0670

■ 38.6615, 20.0208,
3.0090

■ 71.6141, 67.9334,
69.4625

■ 38.5100, 19.8350,
2.5970

■ 80.9585, 81.8706,
87.2258

91.6819, 97.9164,
107.4509

92.1677, 98.5141,
108.7651

Harmonies

Analogous

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



47.8391, 31.4141, 42.2587



46.8416, 31.4141, 21.0475



40.8758, 31.4141, 10.2019

Triad

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



46.8416, 31.4141, 21.0475



19.4762, 31.4141, 12.9848



27.3173, 31.4141, 99.0517

Complementary

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



46.8416, 31.4141, 21.0475



54.0578, 75.5270, 89.5762

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.



21.0228, 31.4141, 80.8097



46.8416, 31.4141, 21.0475



17.0635, 31.4141, 27.2450

Square

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



46.8416, 31.4141, 21.0475



24.8175, 31.4141, 7.2091



17.5737, 31.4141, 51.9449



35.5390, 31.4141, 94.8442

Rectangle

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



46.8416, 31.4141, 21.0475



35.3919, 31.4141, 7.1608



17.5737, 31.4141, 51.9449



24.9335, 31.4141, 95.1142

Sweetspot

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



46.8424, 31.4158, 21.0480



77.0449, 73.1117, 74.7765



55.5152, 34.3321, 91.6962



16.0949, 15.0599, 15.2486



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.



46.8424, 31.4158, 21.0480



46.4120, 28.1083, 14.4307



53.9514, 46.7984, 19.8274



16.5611, 16.5073, 17.4355



20.3886, 10.4989, 1.4885



1.8126, 0.9310, 0.2394

Inverse Universe

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



46.8424, 31.4158, 21.0480



46.4120, 28.1083, 14.4307



41.2777, 46.8688, 94.8665



16.5611, 16.5073, 17.4355



20.3886, 10.4989, 1.4885



1.8126, 0.9310, 0.2394

Previews

White Background



This preview shows how the XYZ color 46.8416, 31.4141, 21.0475 looks on a white background.

Color Contrast Check

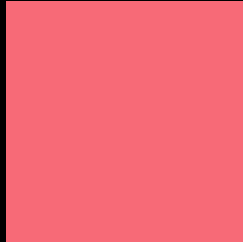
Large Text (above 18pt) WCAG AA × Fail

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 46.8416, 31.4141, 21.0475 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 46.8416, 31.4141, 21.0475

Background



This preview shows how black text looks on a background with the XYZ color 46.8416, 31.4141, 21.0475.



This preview shows how white text looks on a background with the XYZ color 46.8416, 31.4141,

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

46.8416, 31.4141, 21.0475

Protanopia

30.1365, 31.6487, 29.7197

Deuteranopia

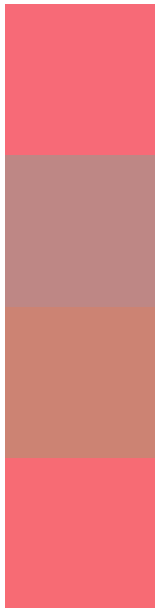
32.0819, 31.4533, 20.0030



Tritanopia

46.6527, 31.5045, 19.5417

Trichromacy



Original Color

46.8416, 31.4141, 21.0475

Protanomaly

34.1328, 29.9686, 26.1758

Deuteranomaly

36.1127, 30.3078, 20.1663

Tritanomaly

46.7679, 31.5505, 20.1479

Monochromacy



Original Color

46.8416, 31.4141, 21.0475

Achromatopsia

28.9890, 30.4987, 33.2131

Achromatomaly

33.1929, 29.2286, 28.3183

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.8416, 31.4141, 21.0475 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(247, 106, 119)` looks like.

```
.text, #text, p{  
    color:rgb(247, 106, 119)  
}
```

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(247, 106, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 106, 119) }
```

Border

The CSS property to change the border of an element to XYZ 46.8416, 31.4141, 21.0475 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(247, 106, 119) }
```


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

```
.border{ border-color:rgb(247, 106, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(247, 106, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 106, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 106, 119);  
box-shadow:4px 4px 4px 4px rgb(247, 106,  
119) }
```

Background

The CSS property to change the background color of an element to XYZ 46.8416, 31.4141, 21.0475 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 106, 119) }
```

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

```
.background{ background-color: rgb(247,  
106, 119) }
```

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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