

Converting Colors

XYZ(46.6954, 30.4025, 21.7223)

Have a look what the booklet for
XYZ(46.6954, 30.4025, 21.7223)
contains.

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Color

**XYZ(46.7814, 30.4759,
21.8291)**

Conversions

Conversions Part 1

Format	Color
Hex	F8647A
RGB	248, 100, 122
RGB Percent	97%, 39%, 48%
CMY	0.0275, 0.6078, 0.5216
CMYK	0.00, 0.60, 0.51, 0.03
HSL	351°, 91%, 68%
HSV	351°, 60%, 97%
XYZ	46.7814, 30.4759, 21.8291
YIQ	146.7600, 81.1460, 38.2180

Conversions

Conversions Part 2

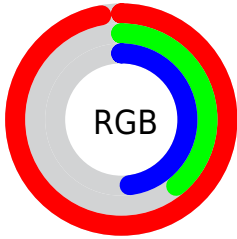
Format	Color
R _Y B	248, 100, 122
Decimal	16278650
CIE Lab	62.06, 58.30, 17.54
CIE LCh	62, 60.877, 16.742
Yxy	30.4759, 0.4721, 0.3076
Android (android.graphics.Color)	4294468730 (0xFFFF8647A)
YUV	146.7600, -12.2067, 88.7875
Hunter-Lab	55.2050, 54.6544, 15.1991

Details

The XYZ color **46.7814, 30.4759, 21.8291** is a light color, and the websafe version is hex **FF6666**. A complement of this color would be **52.5523, 75.3358, 83.7285**, and the grayscale version is **27.6606, 29.1011, 31.6911**.

A 20% lighter version of the original color is **60.7684, 48.0929, 46.1244**, and **22.2787, 12.5194, 7.7208** is the 20% darker color. If you saturate the color by 10%, you get **43.5849, 25.9543, 14.9952**, and if you desaturate by 10%, it is **50.9873, 36.5619, 30.4022**.

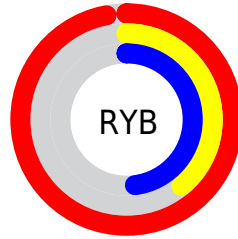
Distribution



Red (97%)

Green (39%)

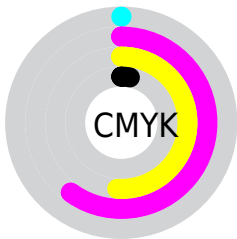
Blue (48%)



Red (97%)

Yellow (39%)

Blue (48%)

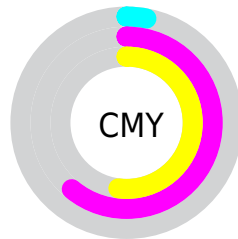


Cyan (0%)

Magenta (60%)

Yellow (51%)

Black (3%)



Cyan (3%)


Magenta (61%)


Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.7814, 30.4759, 21.8291 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 46.7814, 30.4759, 21.8291 by changing the saturation by 10% instead.


 46.7814, 30.4759,
21.8291


 46.7814, 30.4759,
21.8291

364.6048,
304.1165, 274.5768

 33.0701, 20.2001,
13.5343


 84.6080, 60.4140,
47.3619


 22.3396, 12.5406,
7.6624


 109.4539, 80.8450,
65.4370

 14.2247, 7.1130,
3.7951


 138.7422,
105.4300, 87.6093

 8.3598, 3.5328,
1.5136

 172.8380,
134.5532, 114.2972

 4.3798, 1.4158,
0.2280

212.1069,
168.5990, 145.9194

 1.9192, 0.2284,
0.0000

256.9140,

 0.5879, 0.0000,

207.9519, 182.8944

0.0000

307.6249,
252.9963, 225.6407

■ 0.0000, 0.0000,
0.0000

■ 46.7814, 30.4759,
21.8291

■ 46.7814, 30.4759,
21.8291

■ 43.5849, 25.9543,
14.9952

■ 50.9873, 36.5619,
30.4022

■ 41.3090, 22.8485,
9.7782

■ 56.2769, 44.3330,
40.8219

■ 39.8526, 20.9902,
6.0422

■ 62.7198, 53.9040,
53.1886

■ 39.0626, 20.1110,
3.6182

■ 70.3792, 65.3779,
67.5951

■ 39.0429, 20.0890,
3.5580

■ 79.3137, 78.8501,
84.1282

89.5781, 94.4095,
102.8694

92.5213, 98.6964,
108.7817

Harmonies

Analogous

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



47.1227, 30.4759, 44.6179



46.7814, 30.4759, 21.8291



41.1317, 30.4759, 10.0068

Triad

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



46.7814, 30.4759, 21.8291



18.9588, 30.4759, 10.9027



25.5082, 30.4759, 99.1371

Complementary

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



46.7814, 30.4759, 21.8291



52.5523, 75.3358, 83.7285

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.



19.4728, 30.4759, 77.9633



46.7814, 30.4759, 21.8291



16.2000, 30.4759, 23.8907

Square

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



46.7814, 30.4759, 21.8291



24.6694, 30.4759, 6.0443



16.3685, 30.4759, 47.9170



33.7355, 30.4759, 97.6747

Rectangle

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



46.7814, 30.4759, 21.8291



35.6289, 30.4759, 6.6244



16.3685, 30.4759, 47.9170



23.1911, 30.4759, 94.1232

Sweetspot

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



46.7822, 30.4776, 21.8296



76.4494, 71.8638, 74.7539



52.8029, 32.0299, 92.2060



15.8110, 14.5514, 14.9707



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.



46.7822, 30.4776, 21.8296



45.7558, 26.7123, 14.4696



52.2086, 43.2701, 17.6591



17.3497, 17.2672, 18.4313



21.1220, 10.8645, 2.0850



1.9866, 1.0184, 0.3530

Inverse Universe

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



46.7822, 30.4776, 21.8296



45.7558, 26.7123, 14.4696



41.9854, 49.0585, 96.0630



17.3497, 17.2672, 18.4313



21.1220, 10.8645, 2.0850



1.9866, 1.0184, 0.3530

Previews

White Background



This preview shows how the XYZ color 46.7814, 30.4759, 21.8291 looks on a white background.

Color Contrast Check

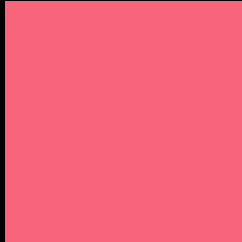
Large Text (above 18pt) WCAG AA × Fail

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 46.7814, 30.4759, 21.8291 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

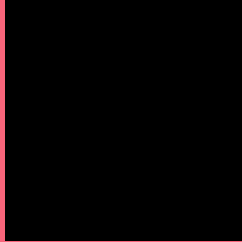
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 46.7814, 30.4759, 21.8291

Background



This preview shows how black text looks on a background with the XYZ color 46.7814, 30.4759, 21.8291.



This preview shows how white text looks on a background with the XYZ color 46.7814, 30.4759,

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

46.7814, 30.4759, 21.8291

Protanopia

29.4992, 30.7893, 31.9919

Deuteranopia

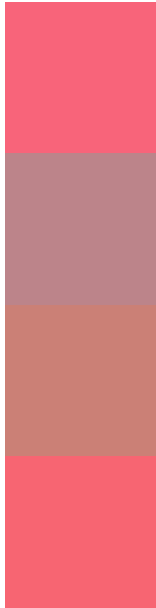
31.1992, 30.5314, 20.4684



Tritanopia

45.8695, 30.3810, 17.9145

Trichromacy



Original Color

46.7814, 30.4759, 21.8291

Protanomaly

33.5777, 29.0289, 27.8781

Deuteranomaly

35.6178, 29.4429, 20.9453

Tritanomaly

46.0487, 30.2964, 19.3403

Monochromacy



Original Color

46.7814, 30.4759, 21.8291

Achromatopsia

27.7328, 29.1771, 31.7738

Achromatomaly

32.3372, 27.9906, 27.7431

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.7814, 30.4759, 21.8291 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(248, 100, 122)` looks like.

```
.text, #text, p{  
    color:rgb(248, 100, 122)  
}
```

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(248, 100, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 100, 122) }
```

Border

The CSS property to change the border of an element to XYZ 46.7814, 30.4759, 21.8291 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(248, 100, 122) }
```


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

```
.border{ border-color:rgb(248, 100, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(248, 100, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 100, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 100, 122);  
box-shadow:4px 4px 4px 4px rgb(248, 100,  
122) }
```

Background

The CSS property to change the background color of an element to XYZ 46.7814, 30.4759, 21.8291 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 100, 122) }
```

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

```
.background{ background-color: rgb(248,  
100, 122) }
```

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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