

Converting Colors

XYZ(46.7703, 31.0178, 20.0548)

Have a look what the booklet for
XYZ(46.7703, 31.0178, 20.0548)
contains.

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Color

**XYZ(46.7140, 30.9179,
20.0286)**

Conversions

Conversions Part 1

Format	Color
Hex	F86774
RGB	248, 103, 116
RGB Percent	97%, 40%, 45%
CMY	0.0275, 0.5960, 0.5451
CMYK	0.00, 0.58, 0.53, 0.03
HSL	355°, 91%, 69%
HSV	355°, 58%, 97%
XYZ	46.7140, 30.9179, 20.0286
YIQ	147.8370, 82.2470, 34.7830

Conversions

Conversions Part 2

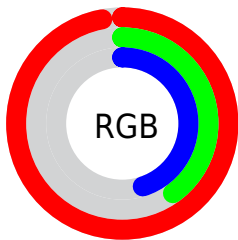
Format	Color
R _Y B	248, 103, 116
Decimal	16279412
CIE Lab	62.44, 56.49, 21.49
CIE LCh	62, 60.439, 20.833
Yxy	30.9179, 0.4783, 0.3166
Android (android.graphics.Color)	4294469492 (0xFFFF86774)
YUV	147.8370, -15.6956, 87.8430
Hunter-Lab	55.6039, 52.6549, 17.5664

Details

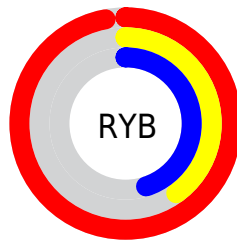
The XYZ color **46.7140, 30.9179, 20.0286** is a light color, and the websafe version is hex **FF6666**. A complement of this color would be **54.1583, 76.0172, 90.4214**, and the grayscale version is **28.1209, 29.5854, 32.2185**.

A 20% lighter version of the original color is **60.7060, 48.8834, 43.2817**, and **22.2315, 12.7332, 6.7549** is the 20% darker color. If you saturate the color by 10%, you get **43.4450, 26.2327, 13.2280**, and if you desaturate by 10%, it is **51.0349, 37.1966, 28.7547**.

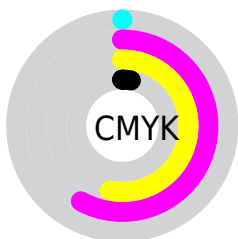
Distribution



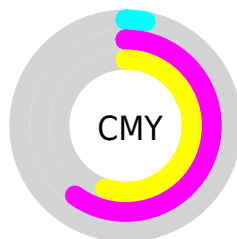
- Red (97%)
- Green (40%)
- Blue (45%)



- Red (97%)
- Yellow (40%)
- Blue (45%)



- Cyan (0%)
- Magenta (58%)
- Yellow (53%)
- Black (3%)





- Cyan (3%)
- Magenta (60%)
- Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.7140, 30.9179, 20.0286 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 46.7140, 30.9179, 20.0286 by changing the saturation by 10% instead.


 46.7140, 30.9179,
20.0286


 46.7140, 30.9179,
20.0286


364.3398,
306.1599, 264.6793


 33.0166, 20.5363,
12.2316


 84.5079, 61.1108,
44.3247


 22.2985, 12.7855,
6.7771


 109.3351, 81.6909,
61.6609

 14.1942, 7.2810,
3.2468


 138.6030,
106.4393, 83.0138

 8.3385, 3.6385,
1.2220

 172.6769,
135.7405, 108.8021

 4.3659, 1.4734,
0.0000

211.9222,
169.9787, 139.4442

 1.9111, 0.2699,
0.0000

256.7042,

 0.5833, 0.0000,

209.5384, 175.3588

0.0000

307.3883,
254.8040, 216.9643

■ 0.0000, 0.0000,
0.0000

■ 46.7140, 30.9179,
20.0286

■ 46.7140, 30.9179,
20.0286

■ 43.4450, 26.2327,
13.2280

■ 51.0349, 37.1966,
28.7547

■ 41.1354, 22.9930,
8.2052

■ 56.4853, 45.1897,
39.5358

■ 39.6801, 21.0317,
4.7935

■ 63.1381, 55.0119,
52.4919

■ 38.9356, 20.1123,
2.7891

■ 71.0592, 66.7668,
67.7333

■ 38.8582, 20.0152,
2.5856

■ 80.3101, 80.5502,
85.3628

90.9479, 96.4515,
105.4769

92.5212, 98.6964,
108.7817

Harmonies

Analogous

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



47.8523, 30.9179, 41.3792



46.7140, 30.9179, 20.0286



40.5063, 30.9179, 9.3955

Triad

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



46.7140, 30.9179, 20.0286



18.7831, 30.9179, 12.4471



26.9466, 30.9179, 100.7732

Complementary

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



46.7140, 30.9179, 20.0286



54.1583, 76.0172, 90.4214

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.



20.5144, 30.9179, 82.1830



46.7140, 30.9179, 20.0286



16.4123, 30.9179, 26.9735

Square

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



46.7140, 30.9179, 20.0286



24.1305, 30.9179, 6.6470



16.9810, 30.9179, 52.4026



35.3553, 30.9179, 95.9216

Rectangle

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



46.7140, 30.9179, 20.0286



34.8705, 30.9179, 6.4960



16.9810, 30.9179, 52.4026



24.5099, 30.9179, 96.8263

Sweetspot

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



46.7148, 30.9196, 20.0291



76.1023, 71.7249, 72.9258



55.5622, 33.8875, 92.4190



15.7281, 14.5183, 14.5342



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.



46.7148, 30.9196, 20.0291



45.8125, 27.2794, 13.0898



53.9056, 46.4273, 18.9545



17.3078, 17.2505, 18.2104



21.0124, 10.8207, 1.5077



1.9668, 1.0105, 0.2488

Inverse Universe

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



46.7148, 30.9196, 20.0291



45.8125, 27.2794, 13.0898



40.9519, 46.4897, 95.6215



17.3078, 17.2505, 18.2104



21.0124, 10.8207, 1.5077



1.9668, 1.0105, 0.2488

Previews

White Background



This preview shows how the XYZ color 46.7140, 30.9179, 20.0286 looks on a white background.

Color Contrast Check

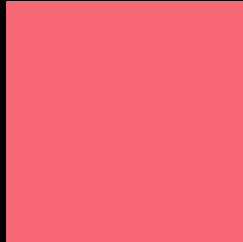
Large Text (above 18pt) WCAG AA × Fail

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 46.7140, 30.9179, 20.0286 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 46.7140, 30.9179, 20.0286

Background



This preview shows how black text looks on a background with the XYZ color 46.7140, 30.9179, 20.0286.

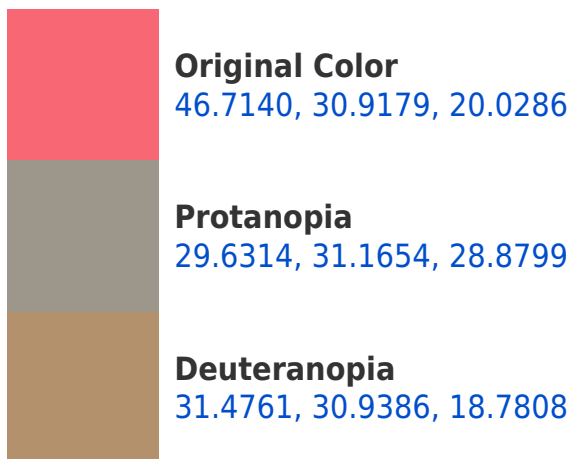


This preview shows how white text looks on a background with the XYZ color 46.7140, 30.9179,

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

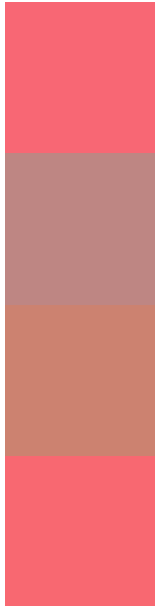




Tritanopia

46.5310, 31.0048, 18.5710

Trichromacy



Original Color

46.7140, 30.9179, 20.0286

Protanomaly

33.8570, 29.6360, 25.4086

Deuteranomaly

35.8091, 29.9725, 19.2272

Tritanomaly

46.6424, 31.0493, 19.1576

Monochromacy



Original Color

46.7140, 30.9179, 20.0286

Achromatopsia

28.1479, 29.6138, 32.2495

Achromatomaly

32.4624, 28.4704, 27.0769

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.7140, 30.9179, 20.0286 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, 103, 116)` looks like.

```
.text, #text, p{  
    color:rgb(248, 103, 116)  
}
```

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, 103, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 103, 116) }
```

Border

The CSS property to change the border of an element to XYZ 46.7140, 30.9179, 20.0286 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, 103, 116) }
```


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

```
.border{ border-color:rgb(248, 103, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(248, 103, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 103, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 103, 116);  
box-shadow:4px 4px 4px 4px rgb(248, 103,  
116) }
```

Background

The CSS property to change the background color of an element to XYZ 46.7140, 30.9179, 20.0286 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 103, 116) }
```

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

```
.background{ background-color: rgb(248,  
103, 116) }
```

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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