

Converting Colors

XYZ(46.5729, 27.7549, 16.5659)

Have a look what the booklet for
XYZ(46.5729, 27.7549, 16.5659)
contains.

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Color

**XYZ(46.5659, 27.7494,
16.5375)**

Conversions

Conversions Part 1

Format	Color
Hex	FF4E6A
RGB	255, 78, 106
RGB Percent	100%, 31%, 42%
CMY	0.0000, 0.6941, 0.5843
CMYK	0.00, 0.69, 0.58, 0.00
HSL	351°, 100%, 65%
HSV	351°, 69%, 100%
XYZ	46.5659, 27.7494, 16.5375
YIQ	134.1150, 96.5040, 46.2320

Conversions

Conversions Part 2

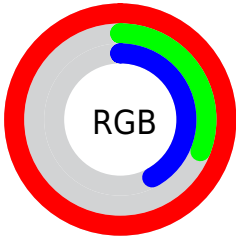
Format	Color
R_{YB}	255, 78, 106
Decimal	16731754
CIE _{Lab}	59.66, 68.04, 23.74
CIE _{LCh}	60, 72.062, 19.237
Yxy	27.7494, 0.5125, 0.3054
Android (android.graphics.Color)	4294921834 (0xFFFF4E6A)
YUV	134.1150, -13.8607, 106.0161
Hunter-Lab	52.6777, 65.6040, 18.2610

Details

The XYZ color **46.5659, 27.7494, 16.5375** is a dark color, and the websafe version is hex **FF3366**. The color can be described as middle washed rose. A complement of this color would be **52.7693, 78.6865, 85.0878**, and the grayscale version is **22.7284, 23.9121, 26.0403**.

A 20% lighter version of the original color is **56.2715, 41.5856, 36.9593**, and **22.5276, 11.5222, 5.1743** is the 20% darker color. If you saturate the color by 10%, you get **44.1120, 24.4103, 10.8841**, and if you desaturate by 10%, it is **50.0025, 32.6071, 23.8973**.

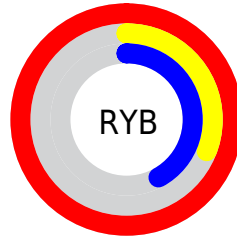
Distribution



Red (100%)

Green (31%)

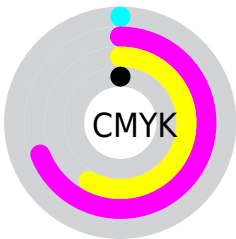
Blue (42%)



Red (100%)

Yellow (31%)

Blue (42%)

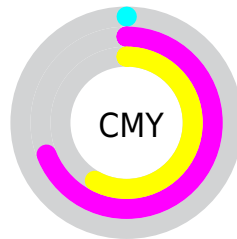


Cyan (0%)

Magenta (69%)

Yellow (58%)

Black (0%)



Cyan (0%)


Magenta (69%)


Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.5659, 27.7494, 16.5375 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 46.5659, 27.7494, 16.5375 by changing the saturation by 10% instead.


 46.5659, 27.7494,
16.5375


 46.5659, 27.7494,
16.5375


363.7570,
291.2675, 244.4459


 32.8991, 18.1368,
9.7468


 84.2880, 56.0841,
38.3085


 22.2080, 11.0483,
5.1280


 109.0740, 75.5750,
54.1260

 14.1273, 6.0993,
2.2625


 138.2971, 99.1275,
73.7895

 8.2916, 2.9056,
0.7101


 172.3227,
127.1260, 97.7175

 4.3354, 1.0826,
0.0000

211.5162,
159.9548, 126.3286

 1.8936, 0.0000,
0.0000

256.2428,

 0.5731, 0.0000,

197.9984, 160.0413

0.0000

306.8680,
241.6412, 199.2743

■ 0.0000, 0.0000,
0.0000

■ 46.5659, 27.7494,
16.5375

■ 46.5659, 27.7494,
16.5375

■ 44.1120, 24.4103,
10.8841

■ 50.0025, 32.6071,
23.8973

■ 42.5310, 22.4039,
6.7950

■ 54.5113, 39.1314,
33.0868

■ 41.6670, 21.4570,
4.0985

■ 60.1739, 47.4580,
44.2191

■ 41.6283, 21.4153,
3.9761

■ 67.0635, 57.7072,
57.3978

■ 75.2469, 69.9890,
72.7190

84.7862, 84.4052,
90.2728

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.



47.5494, 27.7494, 40.5634



46.5659, 27.7494, 16.5375



39.5169, 27.7494, 5.9441

Triad

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



46.5659, 27.7494, 16.5375



15.2252, 27.7494, 7.8950



23.2427, 27.7494, 110.9302

Complementary

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



46.5659, 27.7494, 16.5375



52.7693, 78.6865, 85.0878

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.



16.5270, 27.7494, 86.2206



46.5659, 27.7494, 16.5375



12.6576, 27.7494, 21.7948

Square

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



46.5659, 27.7494, 16.5375



21.0238, 27.7494, 3.3089



13.0718, 27.7494, 49.8963



32.5649, 27.7494, 106.4353

Rectangle

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



46.5659, 27.7494, 16.5375



33.0713, 27.7494, 3.4144



13.0718, 27.7494, 49.8963



20.6497, 27.7494, 105.3823

Sweetspot

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



46.5666, 27.7510, 16.5379



73.8544, 67.8925, 70.1314



51.9831, 28.7587, 97.4184



15.3084, 13.7810, 14.0794



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.



46.5666, 27.7510, 16.5379



43.4499, 23.5466, 9.2428



51.5621, 39.7037, 12.1559



18.1265, 18.0339, 19.2832



21.7863, 11.2038, 2.2590



2.1534, 1.1037, 0.3890

Inverse Universe

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



46.5666, 27.7510, 16.5379



43.4499, 23.5466, 9.2428



40.9335, 48.3217, 101.7768



18.1265, 18.0339, 19.2832



21.7863, 11.2038, 2.2590



2.1534, 1.1037, 0.3890

Previews

White Background



This preview shows how the XYZ color 46.5659, 27.7494, 16.5375 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 46.5659, 27.7494, 16.5375 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 × Fail

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

XYZ 46.5659, 27.7494, 16.5375

Background



This preview shows how black text looks on a background with the XYZ color 46.5659, 27.7494, 16.5375.



This preview shows how white text looks on a background with the XYZ color 46.5659, 27.7494,

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

46.5659, 27.7494, 16.5375

Protanopia

26.4791, 27.7184, 27.2471

Deuteranopia

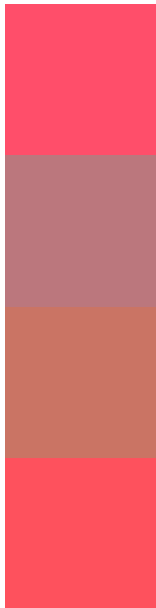
28.2594, 27.8107, 15.1878



Tritanopia

45.5701, 27.7773, 11.7638

Trichromacy



Original Color

46.5659, 27.7494, 16.5375

Protanomaly

30.7920, 25.2391, 22.6508

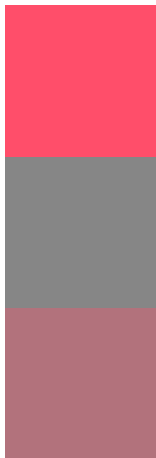
Deuteranomaly

32.9028, 25.9674, 15.3346

Tritanomaly

45.7913, 27.7460, 13.2980

Monochromacy



Original Color

46.5659, 27.7494, 16.5375

Achromatopsia

22.6597, 23.8398, 25.9615

Achromatomaly

28.0155, 22.9548, 22.0229

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.5659, 27.7494, 16.5375 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, 78, 106)` looks like.

```
.text, #text, p{  
    color:rgb(255, 78, 106)  
}
```

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, 78, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 78, 106) }
```

Border

The CSS property to change the border of an element to XYZ 46.5659, 27.7494, 16.5375 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, 78, 106) }
```


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

```
.border{ border-color:rgb(255, 78, 106) }
```

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

Here you see how a box with a 4 pixel rgb(255, 78, 106) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 78, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 78, 106);  
box-shadow:4px 4px 4px 4px rgb(255, 78,  
106) }
```

Background

The CSS property to change the background color of an element to XYZ 46.5659, 27.7494, 16.5375 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 78, 106) }
```

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

```
.background{ background-color: rgb(255, 78,  
106) }
```

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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