

Converting Colors

XYZ(46.4901, 27.5525, 16.6531)

Have a look what the booklet for
XYZ(46.4901, 27.5525, 16.6531)
contains.

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Color

**XYZ(46.5477, 27.6293,
16.7896)**

Conversions

Conversions Part 1

Format	Color
Hex	FF4D6B
RGB	255, 77, 107
RGB Percent	100%, 30%, 42%
CMY	0.0000, 0.6980, 0.5804
CMYK	0.00, 0.70, 0.58, 0.00
HSL	350°, 100%, 65%
HSV	350°, 70%, 100%
XYZ	46.5477, 27.6293, 16.7896
YIQ	133.6420, 96.4580, 47.0660

Conversions

Conversions Part 2

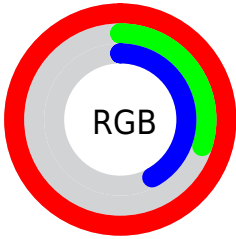
Format	Color
RYB	255, 77, 107
Decimal	16731499
CIELab	59.55, 68.46, 23.01
CIELCh	60, 72.224, 18.582
Yxy	27.6293, 0.5117, 0.3037
Android (android.graphics.Color)	4294921579 (0xFFFF4D6B)
YUV	133.6420, -13.1345, 106.4310
Hunter-Lab	52.5636, 66.0845, 17.8564

Details

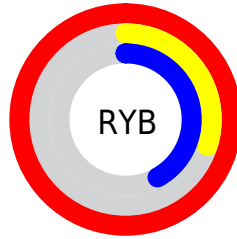
The XYZ color **46.5477, 27.6293, 16.7896** is a dark color, and the websafe version is hex **FF3366**. The color can be described as middle washed rose. A complement of this color would be **52.4134, 78.5347, 83.6381**, and the grayscale version is **22.5522, 23.7267, 25.8384**.

A 20% lighter version of the original color is **56.2157, 41.3369, 37.3637**, and **22.5538, 11.5327, 5.3123** is the 20% darker color. If you saturate the color by 10%, you get **44.1176, 24.3412, 11.1344**, and if you desaturate by 10%, it is **49.9514, 32.4275, 24.1190**.

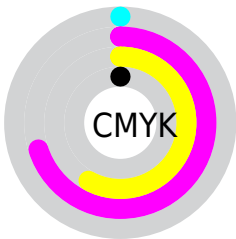
Distribution



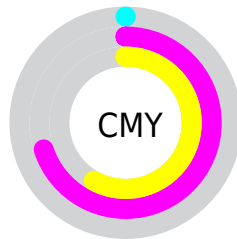
- Red (100%)
- Green (30%)
- Blue (42%)



- Red (100%)
- Yellow (30%)
- Blue (42%)



- Cyan (0%)
- Magenta (70%)
- Yellow (58%)
- Black (0%)




- Cyan (0%)
- Magenta (70%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.5477, 27.6293, 16.7896 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 46.5477, 27.6293, 16.7896 by changing the saturation by 10% instead.


 46.5477, 27.6293,
16.7896


 46.5477, 27.6293,
16.7896


363.6854,
290.6913, 245.9597


 32.8847, 18.0464,
9.9242

 84.2609, 55.8921,
38.7494


 22.1969, 10.9833,
5.2438


 109.0419, 75.3407,
54.6808

 14.1191, 6.0556,
2.3298


 138.2595, 98.8467,
74.4714

 8.2858, 2.8789,
0.7478

 172.2792,
126.7945, 98.5396

 4.3317, 1.0689,
0.0000

211.4662,
159.5685, 127.3040

 1.8914, 0.0000,
0.0000

256.1861,

 0.5719, 0.0000,

197.5530, 161.1831

0.0000

306.8040,
241.1325, 200.5955

■ 0.0000, 0.0000,
0.0000

■ 46.5477, 27.6293,
16.7896

■ 46.5477, 27.6293,
16.7896

■ 44.1176, 24.3412,
11.1344

■ 49.9514, 32.4275,
24.1190

■ 42.5518, 22.3762,
7.0158

■ 54.4179, 38.8843,
33.2420


■ 41.6886, 21.4483,
4.2659

■ 60.0287, 47.1358,
44.2684

■ 41.6751, 21.4340,
4.2227

■ 66.8562, 57.3024,
57.2984

■ 74.9671, 69.4944,
72.4256

 84.4231, 83.8134,
89.7372

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.



47.3801, 27.6293, 41.1171



46.5477, 27.6293, 16.7896



39.5984, 27.6293, 5.9988

Triad

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



46.5477, 27.6293, 16.7896



15.2167, 27.6293, 7.6377



22.9515, 27.6293, 110.6181

Complementary

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



46.5477, 27.6293, 16.7896



52.4134, 78.5347, 83.6381

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.



16.3150, 27.6293, 85.3721



46.5477, 27.6293, 16.7896



12.5877, 27.6293, 21.2249

Square

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



46.5477, 27.6293, 16.7896



21.0774, 27.6293, 3.2131



12.9369, 27.6293, 49.0120



32.2312, 27.6293, 106.8079

Rectangle

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



46.5477, 27.6293, 16.7896



33.1719, 27.6293, 3.4076



12.9369, 27.6293, 49.0120



20.3832, 27.6293, 104.8482

Sweetspot

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



46.5484, 27.6309, 16.7900



73.9235, 67.9201, 70.4956



50.9418, 28.1172, 97.3494



15.3245, 13.7875, 14.1643



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.



46.5484, 27.6309, 16.7900



43.3617, 23.3663, 9.2256



51.0187, 38.6737, 11.7992



18.1342, 18.0370, 19.3240



21.8125, 11.2143, 2.3974



2.1570, 1.1052, 0.4084

Inverse Universe

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



46.5484, 27.6309, 16.7900



43.3617, 23.3663, 9.2256



41.4514, 49.4781, 101.9727



18.1342, 18.0370, 19.3240



21.8125, 11.2143, 2.3974



2.1570, 1.1052, 0.4084

Previews

White Background



This preview shows how the XYZ color 46.5477, 27.6293, 16.7896 looks on a white background.

Color Contrast Check

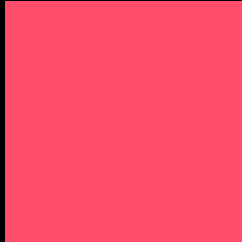
Large Text (above 18pt) WCAG AA ✓ Pass

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 46.5477, 27.6293, 16.7896 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 46.5477, 27.6293, 16.7896

Background



This preview shows how black text looks on a background with the XYZ color 46.5477, 27.6293, 16.7896.



This preview shows how white text looks on a background with the XYZ color 46.5477, 27.6293,

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

46.5477, 27.6293, 16.7896

Protanopia

26.6226, 27.7758, 28.0029

Deuteranopia

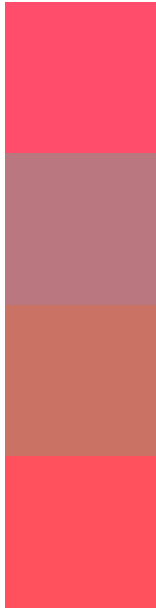
28.1635, 27.5438, 15.3874



Tritanopia

45.4552, 27.6116, 11.5281

Trichromacy



Original Color

46.5477, 27.6293, 16.7896

Protanomaly

30.9211, 25.2908, 23.3306

Deuteranomaly

32.8368, 25.7576, 15.5529

Tritanomaly

45.7175, 27.5985, 13.2734

Monochromacy



Original Color

46.5477, 27.6293, 16.7896

Achromatopsia

22.6597, 23.8398, 25.9615

Achromatomaly

27.9033, 22.7305, 21.9855

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.5477, 27.6293, 16.7896 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, 77, 107)` looks like.

```
.text, #text, p{  
    color:rgb(255, 77, 107)  
}
```

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, 77, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 77, 107) }
```

Border

The CSS property to change the border of an element to XYZ 46.5477, 27.6293, 16.7896 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, 77, 107) }
```


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

```
.border{ border-color:rgb(255, 77, 107) }
```

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

Here you see how a box with a 4 pixel rgb(255, 77, 107) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 77, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 77, 107);  
box-shadow:4px 4px 4px 4px rgb(255, 77,  
107) }
```

Background

The CSS property to change the background color of an element to XYZ 46.5477, 27.6293, 16.7896 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 77, 107) }
```

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

```
.background{ background-color: rgb(255, 77,  
107) }
```

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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