

Converting Colors

XYZ(46.9716, 27.7659, 19.1336)

Have a look what the booklet for
XYZ(46.9716, 27.7659, 19.1336)
contains.

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Color

**XYZ(46.9884, 27.8056,
19.1101)**

Conversions

Conversions Part 1

Format	Color
Hex	FF4D73
RGB	255, 77, 115
RGB Percent	100%, 30%, 45%
CMY	0.0000, 0.6980, 0.5490
CMYK	0.00, 0.70, 0.55, 0.00
HSL	347°, 100%, 65%
HSV	347°, 70%, 100%
XYZ	46.9884, 27.8056, 19.1101
YIQ	134.5540, 93.8900, 49.5540

Conversions

Conversions Part 2

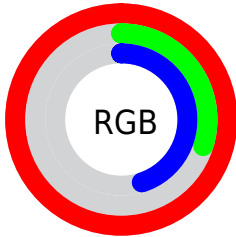
Format	Color
R_{YB}	255, 77, 115
Decimal	16731507
CIE _{Lab}	59.71, 69.01, 18.56
CIE _{LCh}	60, 71.460, 15.055
Yxy	27.8056, 0.5004, 0.2961
Android (android.graphics.Color)	4294921587 (0xFFFF4D73)
YUV	134.5540, -9.6401, 105.6311
Hunter-Lab	52.7310, 66.7814, 15.4246

Details

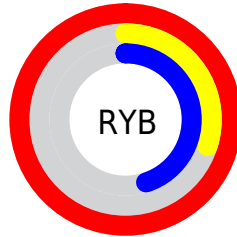
The XYZ color **46.9884, 27.8056, 19.1101** is a dark color, and the websafe version is hex **FF3366**. The color can be described as middle washed rose. A complement of this color would be **51.3472, 78.1083, 78.0234**, and the grayscale version is **22.8760, 24.0673, 26.2093**.

A 20% lighter version of the original color is **57.1607, 41.9413, 41.6420**, and **22.7513, 11.6117, 6.3523** is the 20% darker color. If you saturate the color by 10%, you get **44.5091, 24.4978, 13.1956**, and if you desaturate by 10%, it is **50.4189, 32.6145, 26.5809**.

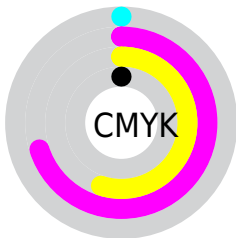
Distribution



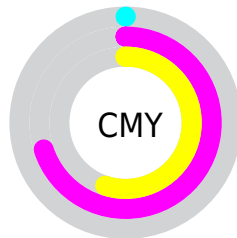
- Red (100%)
- Green (30%)
- Blue (45%)



- Red (100%)
- Yellow (30%)
- Blue (45%)



- Cyan (0%)
- Magenta (70%)
- Yellow (55%)
- Black (0%)





- Cyan (0%)
- Magenta (70%)
- Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.9884, 27.8056, 19.1101 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 46.9884, 27.8056, 19.1101 by changing the saturation by 10% instead.


 46.9884, 27.8056,
19.1101


 46.9884, 27.8056,
19.1101


365.4179,
291.5368, 259.4989


 33.2344, 18.1792,
11.5722

 84.9152, 56.1739,
42.7592


 22.4662, 11.0787,
6.3341


 109.8186, 75.6846,
59.7076

 14.3183, 6.1198,
2.9772


 139.1693, 99.2588,
80.6299

 8.4256, 2.9181,
1.0830

 173.3325,
127.2810, 105.9446

 4.4225, 1.0891,
0.0000

212.6736,
160.1355, 136.0703

 1.9438, 0.0000,
0.0000

257.5580,

 0.6021, 0.0000,

198.2067, 171.4256

0.0000

308.3509,
241.8790, 212.4289

■ 0.0000, 0.0000,
0.0000

■ 46.9884, 27.8056,
19.1101

■ 46.9884, 27.8056,
19.1101

■ 44.5091, 24.4978,
13.1956

■ 50.4189, 32.6145,
26.5809

■ 42.8756, 22.5057,
8.7204

■ 54.8867, 39.0719,
35.7100

■ 41.9309, 21.5452,
5.5415

■ 60.4699, 47.3123,
46.5916

■ 41.9157, 21.5303,
5.4892

■ 67.2387, 57.4555,
59.3125

■ 75.2573, 69.6105,
73.9536

 84.5853, 83.8783,
90.5909

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.



47.0011, 27.8056, 44.9934



46.9884, 27.8056, 19.1101



40.6876, 27.8056, 6.9582

Triad

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



46.9884, 27.8056, 19.1101



15.9465, 27.8056, 6.9836



22.1992, 27.8056, 108.2018

Complementary

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



46.9884, 27.8056, 19.1101



51.3472, 78.1083, 78.0234

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.



15.9634, 27.8056, 80.8634



46.9884, 27.8056, 19.1101



12.9531, 27.8056, 19.1781

Square

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



46.9884, 27.8056, 19.1101



22.1705, 27.8056, 3.1708



12.9584, 27.8056, 45.1138



31.1992, 27.8056, 108.1439

Rectangle

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



46.9884, 27.8056, 19.1101



34.4473, 27.8056, 3.8678



12.9584, 27.8056, 45.1138



19.7618, 27.8056, 101.4371

Sweetspot

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



46.9891, 27.8072, 19.1105



74.2266, 68.0414, 72.0916



49.1524, 27.1948, 97.2658



15.3954, 13.8158, 14.5373



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.



46.9891, 27.8072, 19.1105



43.7267, 23.5123, 11.1475



50.2264, 37.0891, 11.5351



18.1680, 18.0505, 19.5018



21.9459, 11.2676, 3.0995



2.1747, 1.1123, 0.5017

Inverse Universe

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



46.9891, 27.8072, 19.1105



43.7267, 23.5123, 11.1475



42.8400, 52.2553, 102.4357



18.1680, 18.0505, 19.5018



21.9459, 11.2676, 3.0995



2.1747, 1.1123, 0.5017

Previews

White Background



This preview shows how the XYZ color 46.9884, 27.8056, 19.1101 looks on a white background.

Color Contrast Check

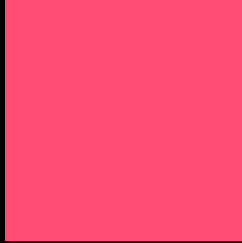
Large Text (above 18pt) WCAG AA ✓ Pass

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 46.9884, 27.8056, 19.1101 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 46.9884, 27.8056, 19.1101

Background



This preview shows how black text looks on a background with the XYZ color 46.9884, 27.8056, 19.1101.



This preview shows how white text looks on a background with the XYZ color 46.9884, 27.8056,

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

46.9884, 27.8056, 19.1101

Protanopia

27.0218, 27.8940, 31.9769

Deuteranopia

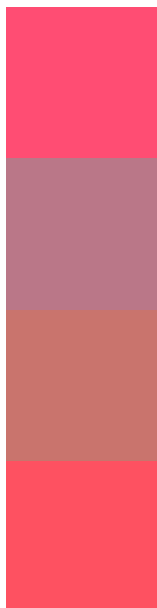
28.2676, 27.7636, 17.5047



Tritanopia

45.6866, 27.9455, 12.0029

Trichromacy



Original Color

46.9884, 27.8056, 19.1101

Protanomaly

31.2905, 25.4103, 26.5480

Deuteranomaly

33.0931, 26.0124, 17.7447

Tritanomaly

45.9731, 27.8188, 14.2558

Monochromacy



Original Color

46.9884, 27.8056, 19.1101

Achromatopsia

23.0288, 24.2281, 26.3844

Achromatomaly

28.5040, 23.1768, 23.3933

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.9884, 27.8056, 19.1101 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, 115)` looks like.

```
.text, #text, p{  
    color:rgb(255, 77, 115)  
}
```

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, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 77, 115) }
```

Border

The CSS property to change the border of an element to XYZ 46.9884, 27.8056, 19.1101 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, 115) }
```


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

```
.border{ border-color:rgb(255, 77, 115) }
```

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, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 77, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 77, 115);  
box-shadow:4px 4px 4px 4px rgb(255, 77,  
115) }
```

Background

The CSS property to change the background color of an element to XYZ 46.9884, 27.8056, 19.1101 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, 115) }
```

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

```
.background{ background-color: rgb(255, 77,  
115) }
```

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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