

Converting Colors

XYZ(47.4151, 28.1233, 18.6139)

Have a look what the booklet for
XYZ(47.4151, 28.1233, 18.6139)
contains.

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Color

**XYZ(46.9450, 27.9010,
18.5339)**

Conversions

Conversions Part 1

Format	Color
Hex	FF4E71
RGB	255, 78, 113
RGB Percent	100%, 31%, 44%
CMY	0.0000, 0.6941, 0.5569
CMYK	0.00, 0.69, 0.56, 0.00
HSL	348°, 100%, 65%
HSV	348°, 69%, 100%
XYZ	46.9450, 27.9010, 18.5339
YIQ	134.9130, 94.2570, 48.4090

Conversions

Conversions Part 2

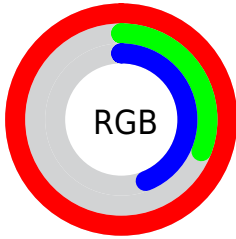
Format	Color
R_{YB}	255, 78, 113
Decimal	16731761
CIE _{Lab}	59.80, 68.51, 19.85
CIE _{LCh}	60, 71.330, 16.156
Yxy	27.9010, 0.5027, 0.2988
Android (android.graphics.Color)	4294921841 (0xFFFF4E71)
YUV	134.9130, -10.8031, 105.3163
Hunter-Lab	52.8214, 66.2044, 16.1714

Details

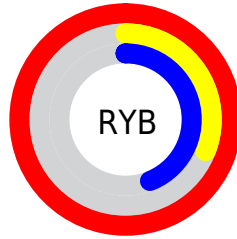
The XYZ color **46.9450, 27.9010, 18.5339** is a dark color, and the websafe version is hex **FF3366**. The color can be described as middle washed rose. A complement of this color would be **51.8223, 78.3077, 80.1011**, and the grayscale version is **23.0128, 24.2112, 26.3660**.

A 20% lighter version of the original color is **56.9772, 41.8679, 40.6756**, and **22.7216, 11.5998, 6.1957** is the 20% darker color. If you saturate the color by 10%, you get **44.4463, 24.5440, 12.6447**, and if you desaturate by 10%, it is **50.4066, 32.7687, 26.0253**.

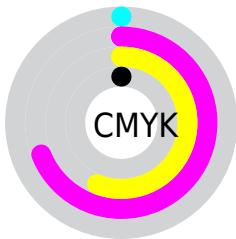
Distribution



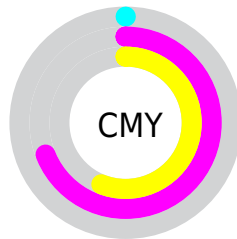
- Red (100%)
- Green (31%)
- Blue (44%)



- Red (100%)
- Yellow (31%)
- Blue (44%)



- Cyan (0%)
- Magenta (69%)
- Yellow (56%)
- Black (0%)





- Cyan (0%)
- Magenta (69%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.9450, 27.9010, 18.5339 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 46.9450, 27.9010, 18.5339 by changing the saturation by 10% instead.


 46.9450, 27.9010,
18.5339

 46.9450, 27.9010,
18.5339

365.2475,
291.9936, 256.1998


 33.1999, 18.2510,
11.1606


 84.8508, 56.3263,
41.7712


 22.4396, 11.1304,
6.0594


 109.7422, 75.8705,
58.4722

 14.2987, 6.1546,
2.8119

 139.0798, 99.4816,
79.1195

 8.4118, 2.9393,
0.9994

 173.2288,
127.5439, 104.1317

 4.4136, 1.1001,
0.0000

212.5548,
160.4418, 133.9273

 1.9387, 0.0000,
0.0000

257.4230,

 0.5992, 0.0000,

198.5598, 168.9248

0.0000

308.1988,
242.2823, 209.5428

■ 0.0000, 0.0000,
0.0000

■ 46.9450, 27.9010,
18.5339

■ 46.9450, 27.9010,
18.5339

■ 44.4463, 24.5440,
12.6447

■ 50.4066, 32.7687,
26.0253

■ 42.8044, 22.5133,
8.2345

■ 54.9175, 39.2938,
35.2261


■ 41.8676, 21.5373,
5.1550

■ 60.5568, 47.6110,
46.2355

■ 41.8244, 21.4938,
5.0086

■ 67.3951, 57.8397,
59.1446

■ 75.4973, 70.0891,
74.0381

 84.9234, 84.4599,
90.9957

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.



47.2109, 27.9010, 43.9042



46.9450, 27.9010, 18.5339



40.4617, 27.9010, 6.7726

Triad

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



46.9450, 27.9010, 18.5339



15.8611, 27.9010, 7.3079



22.5763, 27.9010, 108.7946

Complementary

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



46.9450, 27.9010, 18.5339



51.8223, 78.3077, 80.1011

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.



16.2154, 27.9010, 82.2314



46.9450, 27.9010, 18.5339



12.9770, 27.9010, 19.9636

Square

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



46.9450, 27.9010, 18.5339



21.9738, 27.9010, 3.2714



13.0899, 27.9010, 46.4291



31.6515, 27.9010, 107.5833

Rectangle

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



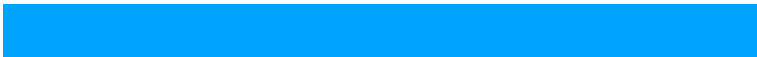
46.9450, 27.9010, 18.5339



34.1783, 27.9010, 3.8153



13.0899, 27.9010, 46.4291



20.0991, 27.9010, 102.3699

Sweetspot

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



46.9457, 27.9026, 18.5343



74.1200, 67.9987, 71.5299



50.1700, 27.8240, 97.3336



15.3704, 13.8058, 14.4059



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.



46.9457, 27.9026, 18.5343



43.7640, 23.6722, 10.8968



50.7462, 38.0717, 11.8839



18.1561, 18.0458, 19.4394



21.8956, 11.2475, 2.8345



2.1682, 1.1097, 0.4674

Inverse Universe

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



46.9457, 27.9026, 18.5343



43.7640, 23.6722, 10.8968



42.2906, 51.0358, 102.2293



18.1561, 18.0458, 19.4394



21.8956, 11.2475, 2.8345



2.1682, 1.1097, 0.4674

Previews

White Background



This preview shows how the XYZ color 46.9450, 27.9010, 18.5339 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 46.9450, 27.9010, 18.5339 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 46.9450, 27.9010, 18.5339

Background



This preview shows how black text looks on a background with the XYZ color 46.9450, 27.9010, 18.5339.

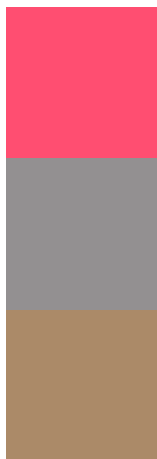


This preview shows how white text looks on a background with the XYZ color 46.9450, 27.9010,

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

46.9450, 27.9010, 18.5339

Protanopia

27.1167, 28.1939, 30.8008

Deuteranopia

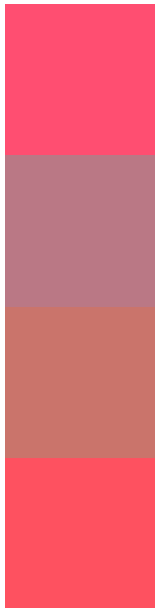
28.3818, 27.8344, 16.9734



Tritanopia

45.6866, 27.9455, 12.0029

Trichromacy



Original Color

46.9450, 27.9010, 18.5339

Protanomaly

31.1998, 25.5655, 25.4805

Deuteranomaly

33.2564, 26.1089, 17.1966

Tritanomaly

45.9268, 27.8002, 14.0117

Monochromacy



Original Color

46.9450, 27.9010, 18.5339

Achromatopsia

23.0288, 24.2281, 26.3844

Achromatomaly

28.4385, 23.1506, 23.0483

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.9450, 27.9010, 18.5339 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, 113)` looks like.

```
.text, #text, p{  
    color:rgb(255, 78, 113)  
}
```

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, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 78, 113) }
```

Border

The CSS property to change the border of an element to XYZ 46.9450, 27.9010, 18.5339 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, 113) }
```


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

```
.border{ border-color:rgb(255, 78, 113) }
```

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, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 78, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 78, 113);  
box-shadow:4px 4px 4px 4px rgb(255, 78,  
113) }
```

Background

The CSS property to change the background color of an element to XYZ 46.9450, 27.9010, 18.5339 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, 113) }
```

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

```
.background{ background-color: rgb(255, 78,  
113) }
```

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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