

Converting Colors

XYZ(46.4932, 27.2740, 17.5308)

Have a look what the booklet for
XYZ(46.4932, 27.2740, 17.5308)
contains.

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Color

**XYZ(46.5033, 27.2833,
17.5671)**

Conversions

Conversions Part 1

Format	Color
Hex	FF4A6E
RGB	255, 74, 110
RGB Percent	100%, 29%, 43%
CMY	0.0000, 0.7098, 0.5686
CMYK	0.00, 0.71, 0.57, 0.00
HSL	348°, 100%, 65%
HSV	348°, 71%, 100%
XYZ	46.5033, 27.2833, 17.5671
YIQ	132.2230, 96.3200, 49.5680

Conversions

Conversions Part 2

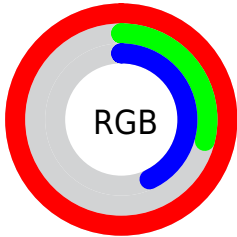
Format	Color
R_{YB}	255, 74, 110
Decimal	16730734
CIE _{Lab}	59.24, 69.70, 20.84
CIE _{LCh}	59, 72.747, 16.645
Yxy	27.2833, 0.5090, 0.2987
Android (android.graphics.Color)	4294920814 (0xFFFF4A6E)
YUV	132.2230, -10.9559, 107.6754
Hunter-Lab	52.2334, 67.5097, 16.6230

Details

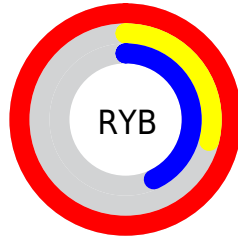
The XYZ color **46.5033, 27.2833, 17.5671** is a dark color, and the websafe version is hex **FF3366**. The color can be described as middle washed rose. A complement of this color would be **51.3724, 78.0912, 79.3907**, and the grayscale version is **22.0282, 23.1754, 25.2380**.

A 20% lighter version of the original color is **56.1981, 40.8834, 38.6475**, and **22.6354, 11.5653, 5.7419** is the 20% darker color. If you saturate the color by 10%, you get **44.1452, 24.1469, 11.9116**, and if you desaturate by 10%, it is **49.8086, 31.9042, 24.8037**.

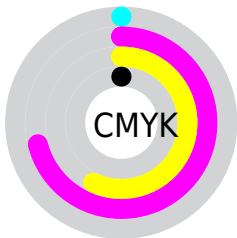
Distribution



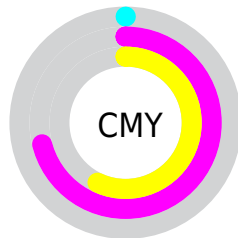
- Red (100%)
- Green (29%)
- Blue (43%)



- Red (100%)
- Yellow (29%)
- Blue (43%)



- Cyan (0%)
- Magenta (71%)
- Yellow (57%)
- Black (0%)





- Cyan (0%)
- Magenta (71%)
- Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.5033, 27.2833, 17.5671 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 46.5033, 27.2833, 17.5671 by changing the saturation by 10% instead.


 46.5033, 27.2833,
17.5671


 46.5033, 27.2833,
17.5671


363.5105,
289.0262, 250.5732


 32.8495, 17.7861,
10.4734

 84.1950, 55.3381,
40.1022


 22.1698, 10.7965,
5.6043


 108.9636, 74.6646,
56.3807

 14.0990, 5.9302,
2.5411


 138.1678, 98.0362,
76.5579

 8.2717, 2.8027,
0.8618

 172.1729,
125.8374, 101.0523

 4.3226, 1.0296,
0.0000

211.3444,
158.4527, 130.2825

 1.8862, 0.0000,
0.0000

256.0476,

 0.5688, 0.0000,

196.2663, 164.6671

0.0000

306.6479,
239.6626, 204.6244

■ 0.0000, 0.0000,
0.0000

■ 46.5033, 27.2833,
17.5671

■ 46.5033, 27.2833,
17.5671

■ 44.1452, 24.1469,
11.9116

■ 49.8086, 31.9042,
24.8037

■ 42.6251, 22.3046,
7.7120


■ 54.1495, 38.1599,
33.7300


■ 41.8310, 21.4964,
5.0426

■ 59.6063, 46.1876,
44.4461

■ 66.2507, 56.1084,
57.0438

■ 74.1483, 68.0331,
71.6086

 83.3597, 82.0635,
88.2206

 93.9418, 98.2947,
106.9553

95.0499, 99.9999,
108.9000

Harmonies

Analogous

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



46.8872, 27.2833, 42.8113



46.5033, 27.2833, 17.5671



39.8525, 27.2833, 6.1704

Triad

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



46.5033, 27.2833, 17.5671



15.1999, 27.2833, 6.9099



22.1062, 27.2833, 109.6953

Complementary

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



46.5033, 27.2833, 17.5671



51.3724, 78.0912, 79.3907

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.



15.7016, 27.2833, 82.8814



46.5033, 27.2833, 17.5671



12.3887, 27.2833, 19.5933

Square

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



46.5033, 27.2833, 17.5671



21.2474, 27.2833, 2.9425



12.5478, 27.2833, 46.4463



31.2589, 27.2833, 107.9303

Rectangle

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



46.5033, 27.2833, 17.5671



33.4836, 27.2833, 3.3919



12.5478, 27.2833, 46.4463



19.6107, 27.2833, 103.2708

Sweetspot

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



46.5040, 27.2849, 17.5675



74.1278, 68.0018, 71.5711



49.6534, 27.1485, 97.2307



15.3722, 13.8066, 14.4156



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.



46.5040, 27.2849, 17.5675



43.4395, 23.2616, 10.0540



50.2357, 37.2734, 11.0274



18.1570, 18.0461, 19.4440



21.8991, 11.2489, 2.8533



2.1687, 1.1099, 0.4698

Inverse Universe

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



46.5040, 27.2849, 17.5675



43.4395, 23.2616, 10.0540



41.6924, 50.3114, 102.1211



18.1570, 18.0461, 19.4440



21.8991, 11.2489, 2.8533



2.1687, 1.1099, 0.4698

Previews

White Background



This preview shows how the XYZ color 46.5033, 27.2833, 17.5671 looks on a white background.

Color Contrast Check

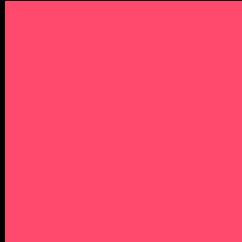
Large Text (above 18pt) WCAG AA ✓ Pass

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 46.5033, 27.2833, 17.5671 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 46.5033, 27.2833, 17.5671

Background



This preview shows how black text looks on a background with the XYZ color 46.5033, 27.2833, 17.5671.



This preview shows how white text looks on a background with the XYZ color 46.5033, 27.2833,

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

46.5033, 27.2833, 17.5671

Protanopia

26.3080, 27.3489, 29.8789

Deuteranopia

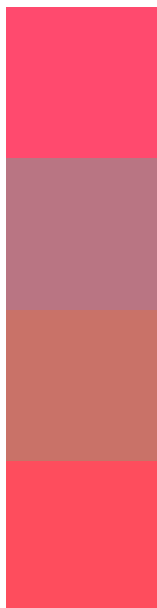
27.8722, 27.3770, 16.1272



Tritanopia

45.2304, 27.2873, 11.0667

Trichromacy



Original Color

46.5033, 27.2833, 17.5671

Protanomaly

30.4656, 24.6756, 24.6299

Deuteranomaly

32.6034, 25.4516, 16.2910

Tritanomaly

45.5027, 27.1689, 13.2018

Monochromacy



Original Color

46.5033, 27.2833, 17.5671

Achromatopsia

21.9318, 23.0740, 25.1276

Achromatomaly

27.4540, 22.1712, 21.9013

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.5033, 27.2833, 17.5671 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, 74, 110)` looks like.

```
.text, #text, p{  
    color:rgb(255, 74, 110)  
}
```

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, 74, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 74, 110) }
```

Border

The CSS property to change the border of an element to XYZ 46.5033, 27.2833, 17.5671 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, 74, 110) }
```


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

```
.border{ border-color:rgb(255, 74, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 74, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 74, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 74, 110);  
box-shadow:4px 4px 4px 4px rgb(255, 74,  
110) }
```

Background

The CSS property to change the background color of an element to XYZ 46.5033, 27.2833, 17.5671 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 74, 110) }
```

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

```
.background{ background-color: rgb(255, 74,  
110) }
```

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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