

Converting Colors

XYZ(47.8031, 29.5104, 16.5430)

Have a look what the booklet for
XYZ(47.8031, 29.5104, 16.5430)
contains.

XYZ(47.2795, 29.2594, 16.5203)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(47.2795, 29.2594,
16.5203)**

Conversions

Conversions Part 1

Format	Color
Hex	FF5869
RGB	255, 88, 105
RGB Percent	100%, 35%, 41%
CMY	0.0000, 0.6549, 0.5882
CMYK	0.00, 0.65, 0.59, 0.00
HSL	354°, 100%, 67%
HSV	354°, 65%, 100%
XYZ	47.2795, 29.2594, 16.5203
YIQ	139.8710, 94.0750, 40.6910

Conversions

Conversions Part 2

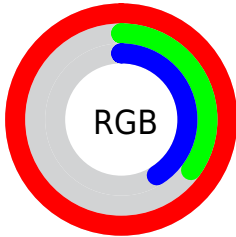
Format	Color
R_{YB}	255, 88, 105
Decimal	16734313
CIE _{Lab}	61.01, 64.23, 26.10
CIE _{LCh}	61, 69.333, 22.117
Yxy	29.2594, 0.5081, 0.3144
Android (android.graphics.Color)	4294924393 (0xFFFF5869)
YUV	139.8710, -17.1914, 100.9681
Hunter-Lab	54.0920, 61.3584, 19.7565

Details

The XYZ color **47.2795, 29.2594, 16.5203** is a dark color, and the websafe version is hex **FF6666**. The color can be described as middle muted rose. A complement of this color would be **55.2194, 79.7684, 93.3829**, and the grayscale version is **24.9177, 26.2154, 28.5486**.

A 20% lighter version of the original color is **57.5196, 44.2181, 36.9558**, and **22.7024, 11.9129, 5.1058** is the 20% darker color. If you saturate the color by 10%, you get **44.5169, 25.3716, 10.5525**, and if you desaturate by 10%, it is **51.0921, 34.7405, 24.4024**.

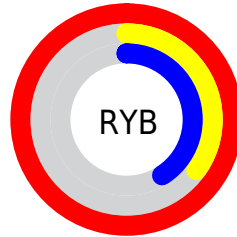
Distribution



Red (100%)

Green (35%)

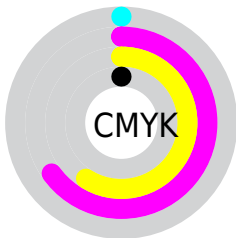
Blue (41%)



Red (100%)

Yellow (35%)

Blue (41%)

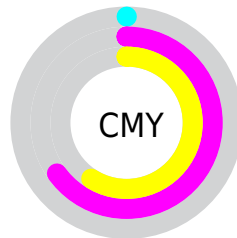


Cyan (0%)

Magenta (65%)

Yellow (59%)

Black (0%)



Cyan (0%)


Magenta (65%)

Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.2795, 29.2594, 16.5203 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 47.2795, 29.2594, 16.5203 by changing the saturation by 10% instead.


 47.2795, 29.2594,
16.5203


 47.2795, 29.2594,
16.5203


366.5594,
298.4369, 244.3423

 33.4655, 19.2771,
9.7347


 85.3469, 58.4890,
38.2784


 22.6443, 11.8707,
5.1201


 110.3310, 78.5051,
54.0881

 14.4503, 6.6557,
2.2580


 139.7692,
102.6346, 73.7428

 8.5183, 3.2477,
0.7075

 174.0269,
131.2619, 97.6613

 4.4829, 1.2624,
0.0000

213.4694,
164.7714, 126.2619

 1.9788, 0.1118,
0.0000

258.4621,

 0.6220, 0.0000,

203.5474, 159.9632

0.0000

309.3703,
247.9745, 199.1838

■ 0.0000, 0.0000,
0.0000

■ 47.2795, 29.2594,
16.5203

■ 47.2795, 29.2594,
16.5203

■ 44.5169, 25.3716,
10.5525

■ 51.0921, 34.7405,
24.4024

■ 42.6960, 22.9014,
6.3336

■ 56.0446, 41.9565,
34.3426


■ 41.6882, 21.6402,
3.6717

■ 62.2192, 51.0390,
46.4722

■ 41.4256, 21.3342,
2.9085

■ 69.6904, 62.1054,
60.9114

■ 78.5263, 75.2636,
77.7716

 88.7905, 90.6137,
97.1569

95.0497, 99.9999,
108.9000

Harmonies

Analogous

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



48.8895, 29.2594, 39.2050



47.2795, 29.2594, 16.5203



39.9418, 29.2594, 6.4722

Triad

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



47.2795, 29.2594, 16.5203



16.1990, 29.2594, 9.9890



25.4880, 29.2594, 111.2736

Complementary

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



47.2795, 29.2594, 16.5203



55.2194, 79.7684, 93.3829

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.



18.4234, 29.2594, 89.7136



47.2795, 29.2594, 16.5203



13.8737, 29.2594, 25.4924

Square

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



47.2795, 29.2594, 16.5203



21.7516, 29.2594, 4.3832



14.5886, 29.2594, 54.5852



34.9007, 29.2594, 104.0666

Rectangle

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



47.2795, 29.2594, 16.5203



33.5118, 29.2594, 4.0556



14.5886, 29.2594, 54.5852



22.7950, 29.2594, 106.8680

Sweetspot

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



47.2802, 29.2611, 16.5208



74.3649, 69.0585, 69.8544



55.9725, 31.9516, 97.8243



15.3934, 14.0018, 13.9513



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.



47.2802, 29.2611, 16.5208



43.7759, 24.3517, 8.8797



54.2337, 44.4286, 14.9521



18.0845, 18.0171, 19.0619



21.6703, 11.1574, 1.6482



2.1337, 1.0958, 0.2853

Inverse Universe

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



47.2802, 29.2611, 16.5208



43.7759, 24.3517, 8.8797



40.7034, 46.5512, 101.4471



18.0845, 18.0171, 19.0619



21.6703, 11.1574, 1.6482



2.1337, 1.0958, 0.2853

Previews

White Background



This preview shows how the XYZ color 47.2795, 29.2594, 16.5203 looks on a white background.

Color Contrast Check

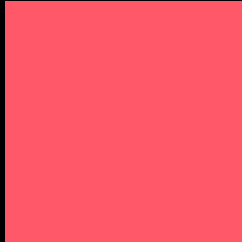
Large Text (above 18pt) WCAG AA ✓ Pass

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 47.2795, 29.2594, 16.5203 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 47.2795, 29.2594, 16.5203

Background



This preview shows how black text looks on a background with the XYZ color 47.2795, 29.2594, 16.5203.



This preview shows how white text looks on a background with the XYZ color 47.2795, 29.2594,

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

47.2795, 29.2594, 16.5203

Protanopia

27.9250, 29.4034, 26.0334

Deuteranopia

29.8140, 29.2599, 15.3856



Tritanopia

46.5948, 29.2094, 14.0086

Trichromacy



Original Color

47.2795, 29.2594, 16.5203

Protanomaly

32.4596, 27.4032, 21.9909

Deuteranomaly

34.4366, 27.8183, 15.6111

Tritanomaly

46.6976, 29.1164, 14.9632

Monochromacy



Original Color

47.2795, 29.2594, 16.5203

Achromatopsia

24.9269, 26.2251, 28.5591

Achromatomaly

29.9595, 25.1521, 23.3545

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.2795, 29.2594, 16.5203 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, 88, 105)` looks like.

```
.text, #text, p{  
    color:rgb(255, 88, 105)  
}
```

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, 88, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 88, 105) }
```

Border

The CSS property to change the border of an element to XYZ 47.2795, 29.2594, 16.5203 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, 88, 105) }
```


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

```
.border{ border-color:rgb(255, 88, 105) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 88, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 88, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 88, 105);  
box-shadow:4px 4px 4px 4px rgb(255, 88,  
105) }
```

Background

The CSS property to change the background color of an element to XYZ 47.2795, 29.2594, 16.5203 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 88, 105) }
```

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

```
.background{ background-color: rgb(255, 88,  
105) }
```

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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