

Converting Colors

XYZ(47.7999, 28.9083, 20.9844)

Have a look what the booklet for
XYZ(47.7999, 28.9083, 20.9844)
contains.

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Color

**XYZ(47.8005, 28.9567,
20.8391)**

Conversions

Conversions Part 1

Format	Color
Hex	FF5478
RGB	255, 84, 120
RGB Percent	100%, 33%, 47%
CMY	0.0000, 0.6705, 0.5294
CMYK	0.00, 0.67, 0.53, 0.00
HSL	347°, 100%, 66%
HSV	347°, 67%, 100%
XYZ	47.8005, 28.9567, 20.8391
YIQ	139.2330, 90.3600, 47.4480

Conversions

Conversions Part 2

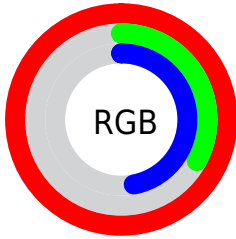
Format	Color
R _Y B	255, 84, 120
Decimal	16733304
CIE Lab	60.74, 66.83, 17.06
CIE LCh	61, 68.972, 14.319
Yxy	28.9567, 0.4898, 0.2967
Android (android.graphics.Color)	4294923384 (0xFFFF5478)
YUV	139.2330, -9.4819, 101.5277
Hunter-Lab	53.8114, 64.3909, 14.7073

Details

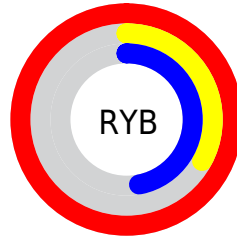
The XYZ color **47.8005, 28.9567, 20.8391** is a light color, and the websafe version is hex **FF3366**. The color can be described as light muted rose. A complement of this color would be **52.2045, 78.5201, 79.4291**, and the grayscale version is **24.6429, 25.9263, 28.2337**.

A 20% lighter version of the original color is **58.5089, 43.8835, 44.4163**, and **22.9079, 11.6743, 7.1769** is the 20% darker color. If you saturate the color by 10%, you get **45.0727, 25.2553, 14.5222**, and if you desaturate by 10%, it is **51.5066, 34.2039, 28.7498**.

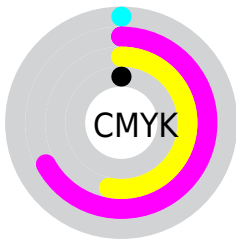
Distribution



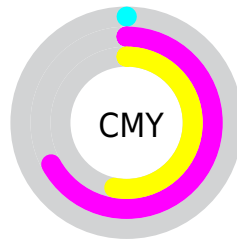
- Red (100%)
- Green (33%)
- Blue (47%)



- Red (100%)
- Yellow (33%)
- Blue (47%)



- Cyan (0%)
- Magenta (67%)
- Yellow (53%)
- Black (0%)





- Cyan (0%)
- Magenta (67%)
- Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.8005, 28.9567, 20.8391 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 47.8005, 28.9567, 20.8391 by changing the saturation by 10% instead.


 47.8005, 28.9567,
20.8391


 47.8005, 28.9567,
20.8391


368.5966,
297.0106, 269.1751

 33.8795, 19.0481,
12.8163

 86.1188, 58.0083,
45.6969


 22.9635, 11.7050,
7.1730


 111.2468, 77.9200,
63.3690

 14.6871, 6.5431,
3.4904


 140.8412,
101.9349, 85.0947

 8.6850, 3.1781,
1.3502

 175.2674,
130.4374, 111.2925

 4.5917, 1.2254,
0.1024

214.8906,
163.8118, 142.3808

 2.0420, 0.0823,
0.0000

260.0764,

 0.6574, 0.0000,

202.4425, 178.7784

0.0000

311.1899,
246.7140, 220.9036

■ 0.0000, 0.0000,
0.0000

■ 47.8005, 28.9567,
20.8391

■ 47.8005, 28.9567,
20.8391

■ 45.0727, 25.2553,
14.5222

■ 51.5066, 34.2039,
28.7498

■ 43.2222, 22.9235,
9.6848

■ 56.2738, 41.1382,
38.3544


■ 42.1265, 21.7450,
6.1969

■ 62.1783, 49.8905,
49.7460

■ 41.8981, 21.5232,
5.3959

■ 69.2886, 60.5772,
63.0105

■ 77.6676, 73.3051,
78.2280

 87.3740, 88.1732,
95.4741

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.



47.6477, 28.9567, 46.8205



47.8005, 28.9567, 20.8391



41.7685, 28.9567, 8.1040

Triad

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



47.8005, 28.9567, 20.8391



17.1616, 28.9567, 7.7737



23.1267, 28.9567, 106.8080

Complementary

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



47.8005, 28.9567, 20.8391



52.2045, 78.5201, 79.4291

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.



16.9513, 28.9567, 80.0444



47.8005, 28.9567, 20.8391



14.0521, 28.9567, 19.9923

Square

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



47.8005, 28.9567, 20.8391



23.4803, 28.9567, 3.8224



13.9846, 28.9567, 45.3630



32.0038, 28.9567, 107.4934

Rectangle

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



47.8005, 28.9567, 20.8391



35.6775, 28.9567, 4.6998



13.9846, 28.9567, 45.3630



20.7157, 28.9567, 100.1070

Sweetspot

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



47.8012, 28.9583, 20.8396



75.0645, 69.3384, 73.5386



50.1202, 28.4603, 97.4592



15.5578, 14.0676, 14.8171



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.



47.8012, 28.9583, 20.8396



44.4414, 24.4347, 12.9491



51.1540, 38.5271, 13.1301



18.1658, 18.0496, 19.4901



21.9361, 11.2637, 3.0482



2.1735, 1.1118, 0.4951

Inverse Universe

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



47.8012, 28.9583, 20.8396



44.4414, 24.4347, 12.9491



43.9117, 53.5145, 102.6224



18.1658, 18.0496, 19.4901



21.9361, 11.2637, 3.0482



2.1735, 1.1118, 0.4951

Previews

White Background



This preview shows how the XYZ color 47.8005, 28.9567, 20.8391 looks on a white background.

Color Contrast Check

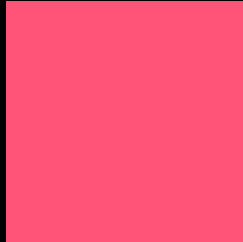
Large Text (above 18pt) WCAG AA ✓ Pass

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 47.8005, 28.9567, 20.8391 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 47.8005, 28.9567, 20.8391

Background



This preview shows how black text looks on a background with the XYZ color 47.8005, 28.9567, 20.8391.



This preview shows how white text looks on a background with the XYZ color 47.8005, 28.9567,

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

47.8005, 28.9567, 20.8391

Protanopia

28.0775, 29.0880, 33.4129

Deuteranopia

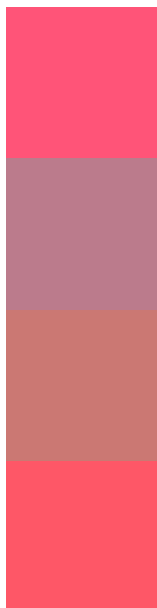
29.6831, 29.1038, 19.3824



Tritanopia

46.4658, 29.0237, 13.7428

Trichromacy



Original Color

47.8005, 28.9567, 20.8391

Protanomaly

32.3101, 26.6242, 28.2470

Deuteranomaly

34.4396, 27.3673, 19.6869

Tritanomaly

46.7294, 28.8665, 15.9408

Monochromacy



Original Color

47.8005, 28.9567, 20.8391

Achromatopsia

24.5403, 25.8183, 28.1161

Achromatomaly

29.8177, 24.6834, 25.0226

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.8005, 28.9567, 20.8391 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, 84, 120)` looks like.

```
.text, #text, p{  
    color:rgb(255, 84, 120)  
}
```

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, 84, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 84, 120) }
```

Border

The CSS property to change the border of an element to XYZ 47.8005, 28.9567, 20.8391 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, 84, 120) }
```


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

```
.border{ border-color:rgb(255, 84, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 84, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 84, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 84, 120);  
box-shadow:4px 4px 4px 4px rgb(255, 84,  
120) }
```

Background

The CSS property to change the background color of an element to XYZ 47.8005, 28.9567, 20.8391 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 84, 120) }
```

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

```
.background{ background-color: rgb(255, 84,  
120) }
```

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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