

Converting Colors

XYZ(46.3400, 28.7352, 15.7769)

Have a look what the booklet for
XYZ(46.3400, 28.7352, 15.7769)
contains.

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Color

**XYZ(46.3960, 28.8214,
15.6881)**

Conversions

Conversions Part 1

Format	Color
Hex	FD5866
RGB	253, 88, 102
RGB Percent	99%, 35%, 40%
CMY	0.0078, 0.6549, 0.6000
CMYK	0.00, 0.65, 0.60, 0.01
HSL	355°, 98%, 67%
HSV	355°, 65%, 99%
XYZ	46.3960, 28.8214, 15.6881
YIQ	138.9310, 93.8460, 39.3340

Conversions

Conversions Part 2

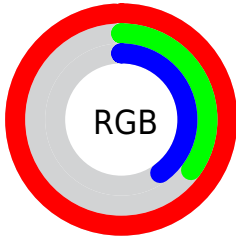
Format	Color
RYB	253, 88, 102
Decimal	16603238
CIELab	60.62, 63.41, 27.26
CIElCh	61, 69.023, 23.262
Yxy	28.8214, 0.5104, 0.3170
Android (android.graphics.Color)	4294793318 (0xFFFD5866)
YUV	138.9310, -18.2070, 100.0385
Hunter-Lab	53.6856, 60.3131, 20.2541

Details

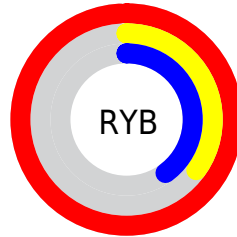
The XYZ color **46.3960, 28.8214, 15.6881** is a dark color, and the websafe version is hex **FF6666**. The color can be described as middle muted rose. A complement of this color would be **54.7320, 78.5580, 93.9471**, and the grayscale version is **24.5580, 25.8370, 28.1365**.

A 20% lighter version of the original color is **57.1152, 43.8107, 35.5830**, and **22.1411, 11.6556, 4.6972** is the 20% darker color. If you saturate the color by 10%, you get **43.6750, 24.9678, 9.8851**, and if you desaturate by 10%, it is **50.1592, 34.2468, 23.4207**.

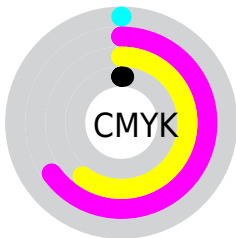
Distribution



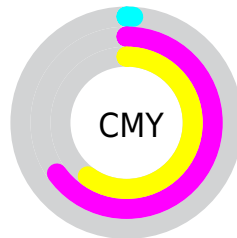
- Red (99%)
- Green (35%)
- Blue (40%)



- Red (99%)
- Yellow (35%)
- Blue (40%)



- Cyan (0%)
- Magenta (65%)
- Yellow (60%)
- Black (1%)





- Cyan (1%)
- Magenta (65%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.3960, 28.8214, 15.6881 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 46.3960, 28.8214, 15.6881 by changing the saturation by 10% instead.


 46.3960, 28.8214,
15.6881

 46.3960, 28.8214,
15.6881


363.0877,
296.3713, 239.2767

 32.7644, 18.9458,
9.1518


 84.0356, 57.7932,
36.8151


 22.1044, 11.6311,
4.7421


 108.7742, 77.6582,
52.2428

 14.0506, 6.4930,
2.0407


 137.9459,
101.6217, 71.4715

 8.2378, 3.1471,
0.5801

 171.9161,
130.0681, 94.9195

 4.3006, 1.2090,
0.0000

211.0499,
163.3819, 123.0055

 1.8736, 0.0690,
0.0000

255.7129,

 0.5614, 0.0000,

201.9475, 156.1480

0.0000

306.2704,
246.1491, 194.7656

■ 0.0000, 0.0000,
0.0000

■ 46.3960, 28.8214,
15.6881

■ 46.3960, 28.8214,
15.6881

■ 43.6750, 24.9678,
9.8851

■ 50.1592, 34.2468,
23.4207

■ 41.8885, 22.5139,
5.8398

■ 55.0540, 41.3831,
33.2319


■ 40.9087, 21.2554,
3.3516

■ 61.1623, 50.3594,
45.2574

■ 40.6474, 20.9384,
2.6308

■ 68.5580, 61.2912,
59.6213

■ 77.3090, 74.2845,
76.4384

 87.4785, 89.4376,
95.8157

94.3178, 99.6225,
108.8657

Harmonies

Analogous

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



48.2351, 28.8214, 37.5135



46.3960, 28.8214, 15.6881



39.0048, 28.8214, 6.1643

Triad

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



46.3960, 28.8214, 15.6881



15.8066, 28.8214, 10.1968



25.4279, 28.8214, 109.9587

Complementary

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



46.3960, 28.8214, 15.6881



54.7320, 78.5580, 93.9471

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.



18.3513, 28.8214, 89.6077



46.3960, 28.8214, 15.6881



13.6326, 28.8214, 25.9572

Square

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



46.3960, 28.8214, 15.6881



21.1552, 28.8214, 4.4126



14.4507, 28.8214, 55.0922



34.7523, 28.8214, 101.7318

Rectangle

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



46.3960, 28.8214, 15.6881



32.6438, 28.8214, 3.9148



14.4507, 28.8214, 55.0922



22.7394, 28.8214, 105.9838

Sweetspot

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



46.3967, 28.8230, 15.6886



74.2580, 69.0158, 69.2916



55.9786, 31.9917, 96.1526



15.3684, 13.9918, 13.8194



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.



46.3967, 28.8230, 15.6886



43.8605, 24.5786, 8.7298



53.8263, 44.7005, 15.0259



18.0719, 18.0121, 18.9957



21.6439, 11.1469, 1.5096



2.1277, 1.0935, 0.2541

Inverse Universe

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



46.3967, 28.8230, 15.6886



43.8605, 24.5786, 8.7298



39.5262, 44.7093, 99.4745



18.0719, 18.0121, 18.9957



21.6439, 11.1469, 1.5096



2.1277, 1.0935, 0.2541

Previews

White Background



This preview shows how the XYZ color 46.3960, 28.8214, 15.6881 looks on a white background.

Color Contrast Check

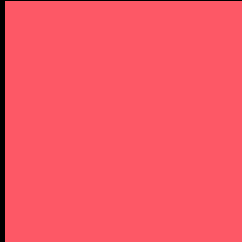
Large Text (above 18pt) WCAG AA ✓ Pass

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 46.3960, 28.8214, 15.6881 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 46.3960, 28.8214, 15.6881

Background



This preview shows how black text looks on a background with the XYZ color 46.3960, 28.8214, 15.6881.



This preview shows how white text looks on a background with the XYZ color 46.3960, 28.8214,

15.6881.

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

46.3960, 28.8214, 15.6881

Protanopia

27.3120, 28.8886, 24.5586

Deuteranopia

29.5299, 28.9114, 14.6137



Tritanopia

46.1008, 28.8356, 13.7257

Trichromacy



Original Color

46.3960, 28.8214, 15.6881

Protanomaly

31.6497, 26.8180, 20.9610

Deuteranomaly

34.1719, 27.5169, 14.8195

Tritanomaly

46.2381, 28.8905, 14.4487

Monochromacy



Original Color

46.3960, 28.8214, 15.6881

Achromatopsia

24.5403, 25.8183, 28.1161

Achromatomaly

29.3048, 24.6426, 22.9506

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.3960, 28.8214, 15.6881 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(253, 88, 102)` looks like.

```
.text, #text, p{  
    color:rgb(253, 88, 102)  
}
```

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(253, 88, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 88, 102) }
```

Border

The CSS property to change the border of an element to XYZ 46.3960, 28.8214, 15.6881 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(253, 88, 102) }
```


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

```
.border{ border-color:rgb(253, 88, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(253, 88, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 88, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 88, 102);  
box-shadow:4px 4px 4px 4px rgb(253, 88,  
102) }
```

Background

The CSS property to change the background color of an element to XYZ 46.3960, 28.8214, 15.6881 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 88, 102) }
```

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

```
.background{ background-color: rgb(253, 88,  
102) }
```

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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