

Converting Colors

XYZ(46.8328, 29.2129, 13.7600)

Have a look what the booklet for
XYZ(46.8328, 29.2129, 13.7600)
contains.

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Color

**XYZ(46.8328, 29.2129,
13.7600)**

Conversions

Conversions Part 1

Format	Color
Hex	FF595E
RGB	255, 89, 94
RGB Percent	100%, 35%, 37%
CMY	0.0000, 0.6509, 0.6314
CMYK	0.00, 0.65, 0.63, 0.00
HSL	358°, 100%, 67%
HSV	358°, 65%, 100%
XYZ	46.8328, 29.2129, 13.7600
YIQ	139.2040, 97.3310, 36.7470

Conversions

Conversions Part 2

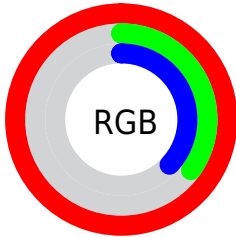
Format	Color
R_YB	255, 89, 94
Decimal	16734558
CIE _{Lab}	60.97, 63.16, 32.34
CIE _{LCh}	61, 70.954, 27.116
Yxy	29.2129, 0.5215, 0.3253
Android (android.graphics.Color)	4294924638 (0xFFFF595E)
YUV	139.2040, -22.2856, 101.5531
Hunter-Lab	54.0490, 60.0825, 22.7400

Details

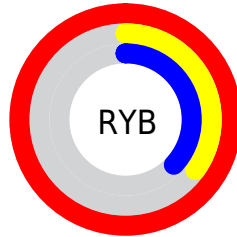
The XYZ color **46.8328, 29.2129, 13.7600** is a dark color, and the websafe version is hex **FF6666**. The color can be described as middle muted red. A complement of this color would be **57.1374, 80.5467, 102.9855**, and the grayscale version is **24.6776, 25.9627, 28.2734**.

A 20% lighter version of the original color is **56.5529, 43.8314, 31.8652**, and **22.2695, 11.7901, 3.8983** is the 20% darker color. If you saturate the color by 10%, you get **44.1282, 25.3047, 8.2324**, and if you desaturate by 10%, it is **50.6287, 34.7355, 21.4054**.

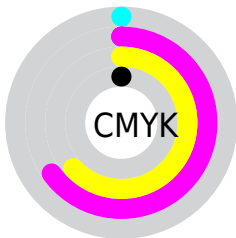
Distribution



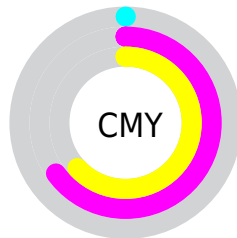
- Red (100%)
- Green (35%)
- Blue (37%)



- Red (100%)
- Yellow (35%)
- Blue (37%)



- Cyan (0%)
- Magenta (65%)
- Yellow (63%)
- Black (0%)





- Cyan (0%)
- Magenta (65%)
- Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.8328, 29.2129, 13.7600 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 46.8328, 29.2129, 13.7600 by changing the saturation by 10% instead.


 46.8328, 29.2129,
13.7600


 46.8328, 29.2129,
13.7600

364.8068,
298.2182, 227.1089

 33.1109, 19.2419,
7.8171


 84.6843, 58.4152,
33.3735

 22.3710, 11.8452,
3.8920


 109.5445, 78.4153,
47.8813

 14.2479, 6.6384,
1.5663


 138.8483,
102.5272, 66.0810

 8.3762, 3.2370,
0.2666

 172.9608,
131.1354, 88.3913

 4.3904, 1.2567,
0.0000

212.2476,
164.6241, 115.2307

 1.9253, 0.1073,
0.0000

257.0740,

 0.5915, 0.0000,

203.3779, 147.0177

0.0000

307.8053,
247.7811, 184.1710

■ 0.0000, 0.0000,
0.0000

■ 46.8328, 29.2129,
13.7600

■ 46.8328, 29.2129,
13.7600

■ 44.1282, 25.3047,
8.2324

■ 50.6287, 34.7355,
21.4054

■ 42.3980, 22.8327,
4.6084

■ 55.6128, 42.0165,
31.3515


■ 41.5021, 21.5852,
2.6315

■ 61.8738, 51.1893,
43.7634

■ 41.2818, 21.2767,
2.1512

■ 69.4911, 62.3733,
58.7902

■ 78.5380, 75.6780,
76.5696

 89.0822, 91.2051,
97.2295

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.



49.6293, 29.2129, 34.4447



46.8328, 29.2129, 13.7600



38.6050, 29.2129, 5.3209

Triad

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



46.8328, 29.2129, 13.7600



15.3316, 29.2129, 11.3702



26.8792, 29.2129, 114.8171

Complementary

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



46.8328, 29.2129, 13.7600



57.1374, 80.5467, 102.9855

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.



19.1732, 29.2129, 96.7702



46.8328, 29.2129, 13.7600



13.5035, 29.2129, 29.3092

Square

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



46.8328, 29.2129, 13.7600



20.4119, 29.2129, 4.5789



14.7362, 29.2129, 61.1901



36.7031, 29.2129, 102.2609

Rectangle

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



46.8328, 29.2129, 13.7600



31.9308, 29.2129, 3.4911



14.7362, 29.2129, 61.1901



23.9801, 29.2129, 111.9704

Sweetspot

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



46.8335, 29.2146, 13.7605



73.9168, 68.8793, 67.4949



60.8566, 34.5920, 98.0768



15.2886, 13.9599, 13.3995



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.



46.8335, 29.2146, 13.7605



43.5307, 24.4467, 6.9933



56.7656, 49.4257, 16.0017



18.0315, 17.9959, 18.7831



21.5803, 11.1214, 1.1744



2.1086, 1.0858, 0.1535

Inverse Universe

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



46.8335, 29.2146, 13.7605



43.5307, 24.4467, 6.9933



37.9994, 41.0015, 100.5186



18.0315, 17.9959, 18.7831



21.5803, 11.1214, 1.1744



2.1086, 1.0858, 0.1535

Previews

White Background



This preview shows how the XYZ color 46.8328, 29.2129, 13.7600 looks on a white background.

Color Contrast Check

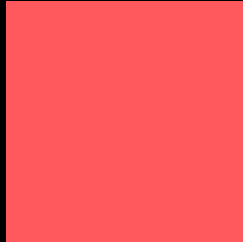
Large Text (above 18pt) WCAG AA ✓ Pass

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 46.8328, 29.2129, 13.7600 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 46.8328, 29.2129, 13.7600

Background



This preview shows how black text looks on a background with the XYZ color 46.8328, 29.2129, 13.7600.



This preview shows how white text looks on a background with the XYZ color 46.8328, 29.2129,

13.7600.

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

46.8328, 29.2129, 13.7600

Protanopia

27.6084, 29.3435, 21.3483

Deuteranopia

29.7950, 29.3053, 12.8902



Tritanopia

46.8328, 29.2129, 13.7600

Trichromacy



Original Color

46.8328, 29.2129, 13.7600

Protanomaly

32.2135, 27.3633, 18.0518

Deuteranomaly

34.4948, 27.9057, 13.0195

Tritanomaly

46.8328, 29.2129, 13.7600

Monochromacy



Original Color

46.8328, 29.2129, 13.7600

Achromatopsia

24.5403, 25.8183, 28.1161

Achromatomaly

29.4686, 24.9286, 21.9974

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.8328, 29.2129, 13.7600 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, 89, 94)` looks like.

```
.text, #text, p{  
    color:rgb(255, 89, 94)  
}
```

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, 89, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 89, 94) }
```

Border

The CSS property to change the border of an element to XYZ 46.8328, 29.2129, 13.7600 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, 89, 94) }
```


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

```
.border{ border-color:rgb(255, 89, 94) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 89, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 89, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 89, 94);  
box-shadow:4px 4px 4px 4px rgb(255, 89,  
94) }
```

Background

The CSS property to change the background color of an element to XYZ 46.8328, 29.2129, 13.7600 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 89, 94) }
```

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

```
.background{ background-color: rgb(255, 89,  
94) }
```

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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