

Converting Colors

XYZ(46.6791, 29.1848, 12.8481)

Have a look what the booklet for
XYZ(46.6791, 29.1848, 12.8481)
contains.

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Color

**XYZ(46.6578, 29.1429,
12.8389)**

Conversions

Conversions Part 1

Format	Color
Hex	FF595A
RGB	255, 89, 90
RGB Percent	100%, 35%, 35%
CMY	0.0000, 0.6509, 0.6471
CMYK	0.00, 0.65, 0.65, 0.00
HSL	360°, 100%, 67%
HSV	360°, 65%, 100%
XYZ	46.6578, 29.1429, 12.8389
YIQ	138.7480, 98.6150, 35.5030

Conversions

Conversions Part 2

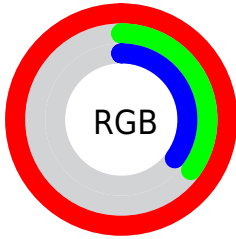
Format	Color
R_{YB}	255, 89, 90
Decimal	16734554
CIE _{Lab}	60.91, 62.93, 34.53
CIE _{LCh}	61, 71.777, 28.752
Yxy	29.1429, 0.5264, 0.3288
Android (android.graphics.Color)	4294924634 (0xFFFF595A)
YUV	138.7480, -24.0328, 101.9530
Hunter-Lab	53.9842, 59.8029, 23.6881

Details

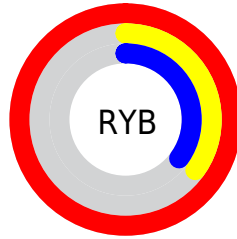
The XYZ color **46.6578, 29.1429, 12.8389** is a dark color, and the websafe version is hex **FF6666**. The color can be described as middle muted red. A complement of this color would be **57.7714, 80.8002, 106.3244**, and the grayscale version is **24.5080, 25.7843, 28.0791**.

A 20% lighter version of the original color is **56.2525, 43.7112, 30.2832**, and **22.1906, 11.7585, 3.4829** is the 20% darker color. If you saturate the color by 10%, you get **43.9898, 25.2493, 7.5036**, and if you desaturate by 10%, it is **50.4294, 34.6558, 20.3564**.

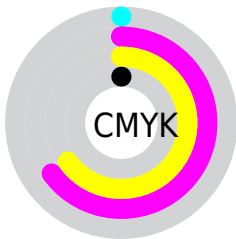
Distribution



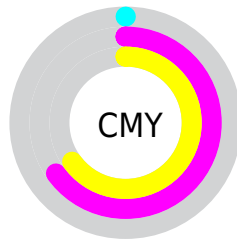
- Red (100%)
- Green (35%)
- Blue (35%)



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



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





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

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.6578, 29.1429, 12.8389 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 46.6578, 29.1429, 12.8389 by changing the saturation by 10% instead.


 46.6578, 29.1429,
12.8389


 46.6578, 29.1429,
12.8389


364.1187,
297.8886, 221.0541

 32.9720, 19.1889,
7.1883


 84.4245, 58.3040,
31.7010

 22.2641, 11.8069,
3.4999


 109.2360, 78.2800,
45.7495


 14.1688, 6.6123,
1.3552


 138.4870,
102.3655, 63.4345

 8.3207, 3.2209,
0.1064

 172.5425,
130.9448, 85.1744

 4.3543, 1.2481,
0.0000

 211.7682,
164.4024, 111.3877

 1.9045, 0.1005,
0.0000

256.5291,

 0.5794, 0.0000,

203.1226, 142.4931

0.0000

307.1909,
247.4899, 178.9090

■ 0.0000, 0.0000,
0.0000

■ 46.6578, 29.1429,
12.8389

■ 46.6578, 29.1429,
12.8389

■ 43.9898, 25.2493,
7.5036

■ 50.4294, 34.6558,
20.3564

■ 42.3045, 22.7953,
4.1163

■ 55.4045, 41.9331,
30.2548

■ 41.4565, 21.5669,
2.3918

■ 61.6741, 51.1094,
42.7122

■ 41.2481, 21.2632,
1.9739

■ 69.3199, 62.3048,
57.8892

■ 78.4171, 75.6296,
75.9333

89.0350, 91.1862,
96.9814

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.



49.8628, 29.1429, 32.8677



46.6578, 29.1429, 12.8389



38.1208, 29.1429, 4.9199

Triad

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



46.6578, 29.1429, 12.8389



14.9888, 29.1429, 11.8042



27.3093, 29.1429, 116.1586

Complementary

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



46.6578, 29.1429, 12.8389



57.7714, 80.8002, 106.3244

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.



19.3749, 29.1429, 99.3178



46.6578, 29.1429, 12.8389



13.3240, 29.1429, 30.6221

Square

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



46.6578, 29.1429, 12.8389



19.9149, 29.1429, 4.6029



14.7300, 29.1429, 63.5319



37.2868, 29.1429, 101.7396

Rectangle

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



46.6578, 29.1429, 12.8389



31.3595, 29.1429, 3.2754



14.7300, 29.1429, 63.5319



24.3359, 29.1429, 113.8519

Sweetspot

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



46.6585, 29.1446, 12.8394



73.7685, 68.8200, 66.7139



61.8524, 35.1054, 98.1231



15.2540, 13.9460, 13.2173



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.



46.6585, 29.1446, 12.8394



43.4047, 24.3963, 6.3298



57.2757, 50.4460, 16.1718



18.0138, 17.9888, 18.6900



21.5550, 11.1113, 1.0414



2.1002, 1.0825, 0.1092

Inverse Universe

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



46.6585, 29.1446, 12.8394



43.4047, 24.3963, 6.3298



37.4562, 39.9153, 100.3374



18.0138, 17.9888, 18.6900



21.5550, 11.1113, 1.0414



2.1002, 1.0825, 0.1092

Previews

White Background



This preview shows how the XYZ color 46.6578, 29.1429, 12.8389 looks on a white background.

Color Contrast Check

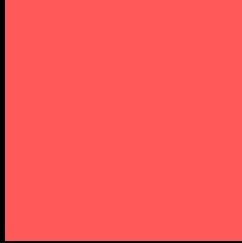
Large Text (above 18pt) WCAG AA ✓ Pass

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 46.6578, 29.1429, 12.8389 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 46.6578, 29.1429, 12.8389

Background



This preview shows how black text looks on a background with the XYZ color 46.6578, 29.1429, 12.8389.



This preview shows how white text looks on a background with the XYZ color 46.6578, 29.1429,

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

46.6578, 29.1429, 12.8389

Protanopia

27.3190, 29.2278, 19.8244

Deuteranopia

29.6857, 29.0535, 11.8279



Tritanopia

46.8328, 29.2129, 13.7600

Trichromacy



Original Color

46.6578, 29.1429, 12.8389

Protanomaly

32.0030, 27.2791, 16.9433

Deuteranomaly

34.1697, 27.5802, 11.9101

Tritanomaly

46.7882, 29.1951, 13.5251

Monochromacy



Original Color

46.6578, 29.1429, 12.8389

Achromatopsia

24.5403, 25.8183, 28.1161

Achromatomaly

29.3446, 24.8790, 21.3447

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.6578, 29.1429, 12.8389 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, 90)` looks like.

```
.text, #text, p{  
    color:rgb(255, 89, 90)  
}
```

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, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 89, 90) }
```

Border

The CSS property to change the border of an element to XYZ 46.6578, 29.1429, 12.8389 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, 90) }
```


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

```
.border{ border-color:rgb(255, 89, 90) }
```

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, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 89, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 89, 90);  
box-shadow:4px 4px 4px 4px rgb(255, 89,  
90) }
```

Background

The CSS property to change the background color of an element to XYZ 46.6578, 29.1429, 12.8389 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, 90) }
```

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

```
.background{ background-color: rgb(255, 89,  
90) }
```

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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