

Converting Colors

XYZ(46.0329, 29.3716, 8.0722)

Have a look what the booklet for
XYZ(46.0329, 29.3716, 8.0722)
contains.

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Color

**XYZ(46.0798, 29.4589,
8.1079)**

Conversions

Conversions Part 1

Format	Color
Hex	FF5D40
RGB	255, 93, 64
RGB Percent	100%, 36%, 25%
CMY	0.0000, 0.6353, 0.7490
CMYK	0.00, 0.64, 0.75, 0.00
HSL	9°, 100%, 63%
HSV	9°, 75%, 100%
XYZ	46.0798, 29.4589, 8.1079
YIQ	138.1320, 105.8610, 25.3250

Conversions

Conversions Part 2

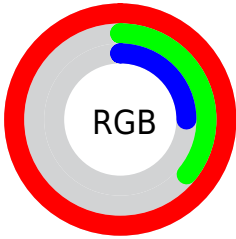
Format	Color
RYB	255, 98, 64
Decimal	16735552
CIELab	61.18, 60.10, 48.93
CIELCh	61, 77.501, 39.154
Yxy	29.4589, 0.5509, 0.3522
Android (android.graphics.Color)	4294925632 (0xFFFF5D40)
YUV	138.1320, -36.5471, 102.4932
Hunter-Lab	54.2761, 56.5615, 29.1363

Details

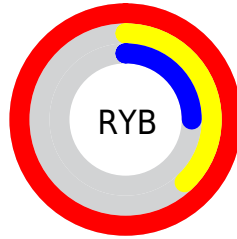
The XYZ color **46.0798, 29.4589, 8.1079** is a dark color, and the websafe version is hex **FF6633**. The color can be described as middle washed red. A complement of this color would be **47.3578, 62.6970, 104.2129**, and the grayscale version is **24.3162, 25.5825, 27.8593**.

A 20% lighter version of the original color is **55.1836, 44.2876, 21.5595**, and **21.7930, 11.9131, 1.6411** is the 20% darker color. If you saturate the color by 10%, you get **43.8755, 25.9585, 4.5744**, and if you desaturate by 10%, it is **49.1535, 34.1685, 13.5663**.

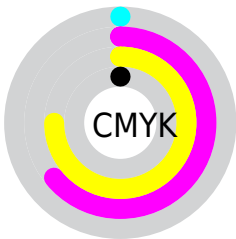
Distribution



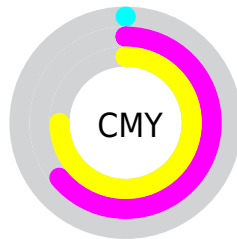
- Red (100%)
- Green (36%)
- Blue (25%)



- Red (100%)
- Yellow (38%)
- Blue (25%)



- Cyan (0%)
- Magenta (64%)
- Yellow (75%)
- Black (0%)





- Cyan (0%)
- Magenta (64%)
- Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.0798, 29.4589, 8.1079 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 46.0798, 29.4589, 8.1079 by changing the saturation by 10% instead.


 46.0798, 29.4589,
8.1079


 46.0798, 29.4589,
8.1079


361.8399,
299.3741, 186.5420

 32.5137, 19.4282,
4.0753


 83.5655, 58.8054,
22.7194


 21.9116, 11.9801,
1.6667


 108.2159, 78.8900,
34.1353


 13.9082, 6.7301,
0.3378


 137.2917,
103.0948, 48.8494

 8.1381, 3.2939,
0.0000

 171.1583,
131.8040, 67.2803

 4.2360, 1.2870,
0.0000

 210.1811,
165.4022, 89.8465

 1.8365, 0.1311,
0.0000

 254.7254,

 0.5395, 0.0000,

204.2737, 116.9664

0.0000

305.1565,
248.8028, 149.0588

■ 0.0000, 0.0000,
0.0000

■ 46.0798, 29.4589,
8.1079

■ 46.0798, 29.4589,
8.1079

■ 43.8755, 25.9585,
4.5744

■ 49.1535, 34.1685,
13.5663

■ 42.4426, 23.5494,
2.6893

■ 53.1757, 40.1806,
21.1728

■ 41.9564, 22.6933,
2.1689

■ 58.2187, 47.5847,
31.1212

■ 64.3469, 56.4613,
43.5833

■ 71.6194, 66.8845,
58.7147

80.0909, 78.9232,
76.6584

89.8128, 92.6424,
97.5471

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.



52.1020, 29.4589, 23.9608



46.0798, 29.4589, 8.1079



35.5563, 29.4589, 3.0362

Triad

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



46.0798, 29.4589, 8.1079



13.4051, 29.4589, 15.9807



31.2296, 29.4589, 125.3104

Complementary

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



46.0798, 29.4589, 8.1079



47.3578, 62.6970, 104.2129

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.



21.5977, 29.4589, 118.1232



46.0798, 29.4589, 8.1079



12.7836, 29.4589, 41.8427

Square

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



46.0798, 29.4589, 8.1079



17.3728, 29.4589, 5.2900



15.4019, 29.4589, 82.0666



42.2614, 29.4589, 98.1124

Rectangle

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



46.0798, 29.4589, 8.1079



28.2897, 29.4589, 2.3373



15.4019, 29.4589, 82.0666



27.7119, 29.4589, 127.0739

Sweetspot

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



46.0805, 29.4606, 8.1084



73.9521, 70.2087, 63.6259



56.8487, 30.4370, 75.0819



15.3616, 14.3618, 12.6347



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.



46.0805, 29.4606, 8.1084



43.0556, 24.6017, 3.4276



60.1804, 57.6605, 12.8084



18.2320, 18.4322, 18.7412



21.9893, 11.9899, 1.1553



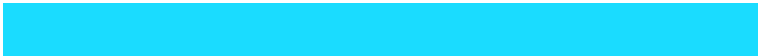
2.2032, 1.2918, 0.1332

Inverse Universe

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



47.3578, 62.6970, 104.2129



44.0940, 58.6943, 103.6129



28.2605, 24.5024, 97.8471



18.3060, 19.9836, 23.1423



22.3875, 29.6845, 53.9843



2.2406, 3.0119, 5.2765

Previews

White Background



This preview shows how the XYZ color 46.0798, 29.4589, 8.1079 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 46.0798, 29.4589, 8.1079 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 46.0798, 29.4589, 8.1079

Background



This preview shows how black text looks on a background with the XYZ color 46.0798, 29.4589, 8.1079.



This preview shows how white text looks on a background with the XYZ color 46.0798, 29.4589,

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

46.0798, 29.4589, 8.1079

Protanopia

27.1794, 29.5604, 12.0578

Deuteranopia

30.1751, 29.6211, 7.4952



Tritanopia

46.9617, 29.3986, 14.0258

Trichromacy



Original Color

46.0798, 29.4589, 8.1079

Protanomaly

31.7541, 27.6821, 10.3262

Deuteranomaly

34.5245, 28.4123, 7.5354

Tritanomaly

46.5813, 29.3823, 11.6037

Monochromacy



Original Color

46.0798, 29.4589, 8.1079

Achromatopsia

24.1572, 25.4152, 27.6772

Achromatomaly

28.8848, 24.8905, 18.3209

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.0798, 29.4589, 8.1079 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, 93, 64)` looks like.

```
.text, #text, p{  
    color:rgb(255, 93, 64)  
}
```

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, 93, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 93, 64) }
```

Border

The CSS property to change the border of an element to XYZ 46.0798, 29.4589, 8.1079 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, 93, 64) }
```


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

```
.border{ border-color:rgb(255, 93, 64) }
```

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

Here you see how a box with a 4 pixel rgb(255, 93, 64) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 93, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 93, 64);  
box-shadow:4px 4px 4px 4px rgb(255, 93,  
64) }
```

Background

The CSS property to change the background color of an element to XYZ 46.0798, 29.4589, 8.1079 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 93, 64) }
```

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

```
.background{ background-color: rgb(255, 93,  
64) }
```

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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