

Converting Colors

XYZ(46.2713, 28.7529, 11.5294)

Have a look what the booklet for
XYZ(46.2713, 28.7529, 11.5294)
contains.

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Color

**XYZ(46.2484, 28.7165,
11.4928)**

Conversions

Conversions Part 1

Format	Color
Hex	FF5754
RGB	255, 87, 84
RGB Percent	100%, 34%, 33%
CMY	0.0000, 0.6588, 0.6706
CMYK	0.00, 0.66, 0.67, 0.00
HSL	1°, 100%, 66%
HSV	1°, 67%, 100%
XYZ	46.2484, 28.7165, 11.4928
YIQ	136.8900, 101.0910, 34.6830

Conversions

Conversions Part 2

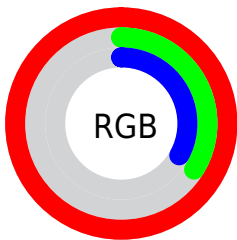
Format	Color
RYB	255, 87, 84
Decimal	16734036
CIELab	60.53, 63.40, 37.43
CIELCh	61, 73.621, 30.559
Yxy	28.7165, 0.5349, 0.3321
Android (android.graphics.Color)	4294924116 (0xFFFF5754)
YUV	136.8900, -26.0748, 103.5825
Hunter-Lab	53.5878, 60.2740, 24.7957

Details

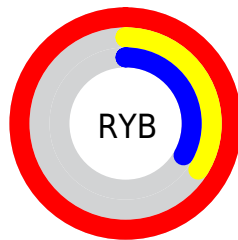
The XYZ color **46.2484, 28.7165, 11.4928** is a dark color, and the websafe version is hex **FF6666**. The color can be described as middle muted red. A complement of this color would be **56.5130, 78.7186, 106.8227**, and the grayscale version is **23.8064, 25.0462, 27.2754**.

A 20% lighter version of the original color is **55.5163, 42.9277, 27.9141**, and **22.0210, 11.5869, 2.9096** is the 20% darker color. If you saturate the color by 10%, you get **43.7367, 25.0114, 6.5926**, and if you desaturate by 10%, it is **49.8281, 33.9769, 18.5417**.

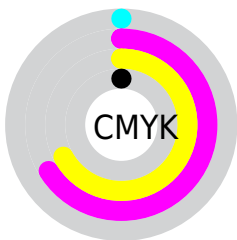
Distribution



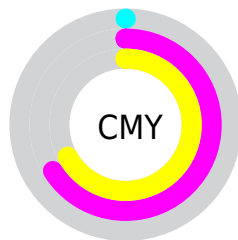
- Red (100%)
- Green (34%)
- Blue (33%)



- Red (100%)
- Yellow (34%)
- Blue (33%)



- Cyan (0%)
- Magenta (66%)
- Yellow (67%)
- Black (0%)





- Cyan (0%)
- Magenta (66%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.2484, 28.7165, 11.4928 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 46.2484, 28.7165, 11.4928 by changing the saturation by 10% instead.


 46.2484, 28.7165,
11.4928


 46.2484, 28.7165,
11.4928


362.5056,
295.8750, 211.8753

 32.6473, 18.8665,
6.2810


 83.8162, 57.6264,
29.2184


 22.0144, 11.5738,
2.9452


 108.5137, 77.4550,
42.5692

 13.9841, 6.4542,
1.0667


 137.6407,
101.3785, 59.4702

 8.1912, 3.1232,
0.0000

 171.5625,
129.7815, 80.3397

 4.2704, 1.1964,
0.0000

 210.6446,
163.0482, 105.5965

 1.8562, 0.0587,
0.0000

255.2522,

 0.5512, 0.0000,

201.5631, 135.6590

0.0000

305.7508,
245.7106, 170.9457

■ 0.0000, 0.0000,
0.0000

■ 46.2484, 28.7165,
11.4928

■ 46.2484, 28.7165,
11.4928

■ 43.7367, 25.0114,
6.5926

■ 49.8281, 33.9769,
18.5417

■ 42.1730, 22.6871,
3.5952

■ 54.5747, 40.9327,
27.9463


■ 41.4105, 21.5358,
2.1896

■ 60.5780, 49.7140,
39.8908

■ 41.2884, 21.3573,
1.9462

■ 67.9187, 60.4371,
54.5405

■ 76.6705, 73.2083,
72.0472

 86.9019, 88.1266,
92.5510

95.0497, 99.9998,
108.9000

Harmonies

Analogous

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



49.9492, 28.7165, 30.7597



46.2484, 28.7165, 11.4928



37.2980, 28.7165, 4.2486

Triad

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



46.2484, 28.7165, 11.4928



14.2724, 28.7165, 11.9524



27.4728, 28.7165, 118.2300

Complementary

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



46.2484, 28.7165, 11.4928



56.5130, 78.7186, 106.8227

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.



19.2611, 28.7165, 102.5783



46.2484, 28.7165, 11.4928



12.7953, 28.7165, 31.7806

Square

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



46.2484, 28.7165, 11.4928



19.0174, 28.7165, 4.3850



14.3884, 28.7165, 66.1385



37.6794, 28.7165, 101.4555

Rectangle

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



46.2484, 28.7165, 11.4928



30.4029, 28.7165, 2.8418



14.3884, 28.7165, 66.1385



24.4049, 28.7165, 116.5237

Sweetspot

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



46.2491, 28.7182, 11.4933



73.9460, 69.2334, 66.5928



62.0044, 34.6384, 95.6373



15.2954, 14.0424, 13.1891



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.



46.2491, 28.7182, 11.4933



43.1844, 24.1927, 5.5256



57.6592, 51.5384, 15.2966



18.0350, 18.0382, 18.6755



21.5853, 11.1819, 1.0206



2.1103, 1.1060, 0.1023

Inverse Universe

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



56.5130, 78.7186, 106.8227



54.0402, 77.1738, 106.6556



35.4608, 36.6142, 99.8053



18.5258, 20.4233, 23.2156



27.3898, 39.6892, 55.6518



2.6753, 3.8812, 5.4214

Previews

White Background



This preview shows how the XYZ color 46.2484, 28.7165, 11.4928 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 46.2484, 28.7165, 11.4928 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 46.2484, 28.7165, 11.4928

Background



This preview shows how black text looks on a background with the XYZ color 46.2484, 28.7165, 11.4928.



This preview shows how white text looks on a background with the XYZ color 46.2484, 28.7165,

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

46.2484, 28.7165, 11.4928

Protanopia

26.7850, 28.7665, 17.7764

Deuteranopia

29.3250, 28.6765, 10.6461



Tritanopia

46.4561, 28.6709, 12.9831

Trichromacy



Original Color

46.2484, 28.7165, 11.4928

Protanomaly

31.5305, 26.8865, 15.0831

Deuteranomaly

33.8237, 27.2484, 10.6845

Tritanomaly

46.3292, 28.6202, 12.3149

Monochromacy



Original Color

46.2484, 28.7165, 11.4928

Achromatopsia

23.7775, 25.0158, 27.2422

Achromatomaly

28.6892, 24.2050, 20.2995

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.2484, 28.7165, 11.4928 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, 87, 84)` looks like.

```
.text, #text, p{  
    color:rgb(255, 87, 84)  
}
```

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, 87, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 87, 84) }
```

Border

The CSS property to change the border of an element to XYZ 46.2484, 28.7165, 11.4928 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, 87, 84) }
```


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

```
.border{ border-color:rgb(255, 87, 84) }
```

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

Here you see how a box with a 4 pixel rgb(255, 87, 84) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 87, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 87, 84);  
box-shadow:4px 4px 4px 4px rgb(255, 87,  
84) }
```

Background

The CSS property to change the background color of an element to XYZ 46.2484, 28.7165, 11.4928 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 87, 84) }
```

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

```
.background{ background-color: rgb(255, 87,  
84) }
```

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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