

Converting Colors

XYZ(46.8747, 29.7768, 12.2938)

Have a look what the booklet for
XYZ(46.8747, 29.7768, 12.2938)
contains.

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Color

**XYZ(46.8747, 29.7768,
12.2938)**

Conversions

Conversions Part 1

Format	Color
Hex	FF5D57
RGB	255, 93, 87
RGB Percent	100%, 36%, 34%
CMY	0.0000, 0.6353, 0.6588
CMYK	0.00, 0.64, 0.66, 0.00
HSL	2°, 100%, 67%
HSV	2°, 66%, 100%
XYZ	46.8747, 29.7768, 12.2938
YIQ	140.7540, 98.4780, 32.4780

Conversions

Conversions Part 2

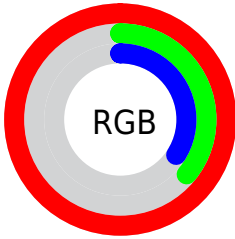
Format	Color
RYB	255, 93, 87
Decimal	16735575
CIELab	61.46, 61.15, 36.89
CIElCh	61, 71.416, 31.099
Yxy	29.7768, 0.5270, 0.3348
Android (android.graphics.Color)	4294925655 (0xFFFF5D57)
YUV	140.7540, -26.5007, 100.1937
Hunter-Lab	54.5681, 57.8395, 24.8401

Details

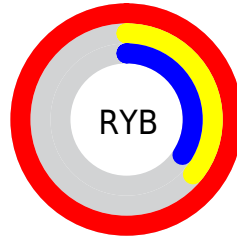
The XYZ color **46.8747, 29.7768, 12.2938** is a dark color, and the websafe version is hex **FF6666**. The color can be described as middle muted red. A complement of this color would be **55.8533, 76.9919, 106.5245**, and the grayscale version is **25.2959, 26.6132, 28.9818**.

A 20% lighter version of the original color is **56.6617, 44.8788, 29.3430**, and **22.3255, 12.1152, 3.2596** is the 20% darker color. If you saturate the color by 10%, you get **44.1884, 25.7877, 7.1345**, and if you desaturate by 10%, it is **50.6236, 35.3033, 19.6220**.

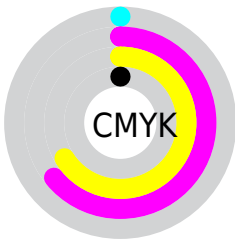
Distribution



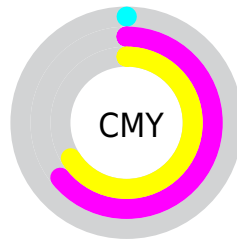
- Red (100%)
- Green (36%)
- Blue (34%)



- Red (100%)
- Yellow (36%)
- Blue (34%)



- Cyan (0%)
- Magenta (64%)
- Yellow (66%)
- Black (0%)




- Cyan (0%)
- Magenta (64%)
- Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.8747, 29.7768, 12.2938 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 46.8747, 29.7768, 12.2938 by changing the saturation by 10% instead.


 46.8747, 29.7768,
12.2938


 46.8747, 29.7768,
12.2938

364.9714,
300.8627, 217.3872

 33.1441, 19.6692,
6.8191


 84.7464, 59.3090,
30.7014

 22.3967, 12.1548,
3.2725


 109.6183, 79.5025,
44.4715


 14.2669, 6.8492,
1.2354


 138.9347,
103.8267, 61.8438

 8.3895, 3.3680,
0.0080

 173.0609,
132.6660, 83.2368

 4.3990, 1.3267,
0.0000

 212.3624,
166.4049, 109.0691

 1.9303, 0.1618,
0.0000

257.2044,

 0.5943, 0.0000,

205.4277, 139.7593

0.0000

307.9523,
250.1188, 175.7258

■ 0.0000, 0.0000,
0.0000

■ 46.8747, 29.7768,
12.2938

■ 46.8747, 29.7768,
12.2938

■ 44.1884, 25.7877,
7.1345

■ 50.6236, 35.3033,
19.6220

■ 42.4528, 23.1763,
3.9051

■ 55.5280, 42.4962,
29.3211


■ 41.5344, 21.7571,
2.3121

■ 61.6730, 51.4768,
41.5716

■ 41.3388, 21.4579,
1.9630

■ 69.1350, 62.3536,
56.5363

■ 77.9844, 75.2264,
74.3642

 88.2866, 90.1882,
95.1936

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.



50.6194, 29.7768, 31.4342



46.8747, 29.7768, 12.2938



38.0176, 29.7768, 4.8779

Triad

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



46.8747, 29.7768, 12.2938



15.1942, 29.7768, 13.2217



28.6518, 29.7768, 117.1808

Complementary

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



46.8747, 29.7768, 12.2938



55.8533, 76.9919, 106.5245

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.



20.4010, 29.7768, 102.5985



46.8747, 29.7768, 12.2938



13.7507, 29.7768, 33.4300

Square

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



46.8747, 29.7768, 12.2938



19.9196, 29.7768, 5.1656



15.4255, 29.7768, 67.3905



38.7570, 29.7768, 100.4626

Rectangle

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



46.8747, 29.7768, 12.2938



31.2059, 29.7768, 3.4028



15.4255, 29.7768, 67.3905



25.5840, 29.7768, 115.7343

Sweetspot

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



46.8754, 29.7785, 12.2943



74.1681, 69.6776, 66.6668



61.8094, 34.9410, 93.4362



15.3472, 14.1460, 13.2064



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.



46.8754, 29.7785, 12.2943



43.5510, 24.8336, 5.9328



58.6035, 53.2346, 16.2036



18.0615, 18.0911, 18.6843



21.6230, 11.2573, 1.0332



2.1229, 1.1311, 0.1064

Inverse Universe

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



55.8533, 76.9919, 106.5245



53.0516, 75.0005, 106.2882



35.5080, 36.3012, 99.7427



18.4959, 20.3634, 23.2056



26.6572, 38.2240, 55.4076



2.6122, 3.7552, 5.4004

Previews

White Background



This preview shows how the XYZ color 46.8747, 29.7768, 12.2938 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 46.8747, 29.7768, 12.2938 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 46.8747, 29.7768, 12.2938

Background



This preview shows how black text looks on a background with the XYZ color 46.8747, 29.7768, 12.2938.



This preview shows how white text looks on a background with the XYZ color 46.8747, 29.7768,

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

46.8747, 29.7768, 12.2938

Protanopia

27.9514, 30.0512, 18.5146

Deuteranopia

30.3396, 29.8411, 11.3686



Tritanopia

47.2248, 29.7774, 14.5678

Trichromacy



Original Color

46.8747, 29.7768, 12.2938

Protanomaly

32.6562, 28.2227, 15.7830

Deuteranomaly

34.9873, 28.5647, 11.4541

Tritanomaly

47.0429, 29.7046, 13.6101

Monochromacy



Original Color

46.8747, 29.7768, 12.2938

Achromatopsia

25.3171, 26.6356, 29.0061

Achromatomaly

29.9502, 25.7409, 21.4791

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.8747, 29.7768, 12.2938 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, 87)` looks like.

```
.text, #text, p{  
    color:rgb(255, 93, 87)  
}
```

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, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 93, 87) }
```

Border

The CSS property to change the border of an element to XYZ 46.8747, 29.7768, 12.2938 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, 87) }
```


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

```
.border{ border-color:rgb(255, 93, 87) }
```

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, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 93, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 93, 87);  
box-shadow:4px 4px 4px 4px rgb(255, 93,  
87) }
```

Background

The CSS property to change the background color of an element to XYZ 46.8747, 29.7768, 12.2938 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, 87) }
```

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

```
.background{ background-color: rgb(255, 93,  
87) }
```

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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