

Converting Colors

XYZ(46.9781, 29.6592, 13.3288)

Have a look what the booklet for
XYZ(46.9781, 29.6592, 13.3288)
contains.

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Color

**XYZ(46.9989, 29.6870,
13.3783)**

Conversions

Conversions Part 1

Format	Color
Hex	FF5C5C
RGB	255, 92, 92
RGB Percent	100%, 36%, 36%
CMY	0.0000, 0.6392, 0.6392
CMYK	0.00, 0.64, 0.64, 0.00
HSL	0°, 100%, 68%
HSV	0°, 64%, 100%
XYZ	46.9989, 29.6870, 13.3783
YIQ	140.7370, 97.1480, 34.5560

Conversions

Conversions Part 2

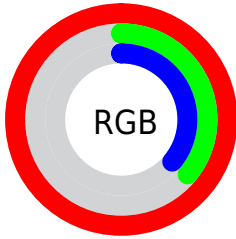
Format	Color
R_{YB}	255, 92, 92
Decimal	16735324
CIE _{Lab}	61.38, 61.84, 33.99
CIE _{LCh}	61, 70.563, 28.797
Yxy	29.6870, 0.5218, 0.3296
Android (android.graphics.Color)	4294925404 (0xFFFF5C5C)
YUV	140.7370, -24.0273, 100.2087
Hunter-Lab	54.4858, 58.6222, 23.5821

Details

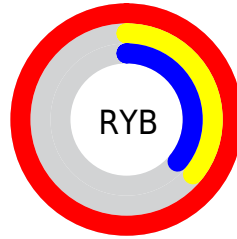
The XYZ color **46.9989, 29.6870, 13.3783** is a dark color, and the websafe version is hex **FF6666**. The color can be described as middle muted red. A complement of this color would be **58.2204, 81.0088, 107.1749**, and the grayscale version is **25.2803, 26.5968, 28.9640**.

A 20% lighter version of the original color is **56.8699, 44.7079, 31.2233**, and **22.3709, 12.0575, 3.7330** is the 20% darker color. If you saturate the color by 10%, you get **44.2162, 25.6157, 7.8459**, and if you desaturate by 10%, it is **50.9009, 35.3975, 21.1341**.

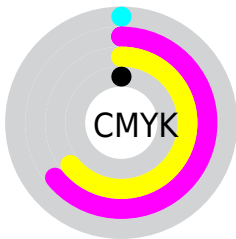
Distribution



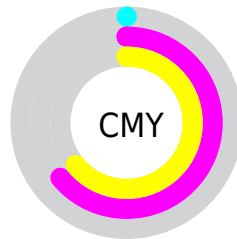
- Red (100%)
- Green (36%)
- Blue (36%)



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



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




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

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.9989, 29.6870, 13.3783 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 46.9989, 29.6870, 13.3783 by changing the saturation by 10% instead.


 46.9989, 29.6870,
13.3783


 46.9989, 29.6870,
13.3783


365.4591,
300.4428, 224.6204

 33.2427, 19.6011,
7.5558


 84.9307, 59.1668,
32.6829

 22.4726, 12.1054,
3.7284


 109.8371, 79.3296,
47.0020

 14.3231, 6.8155,
1.4775


 139.1909,
103.6201, 64.9904

 8.4289, 3.3470,
0.2011

 173.3575,
132.4228, 87.0666

 4.4247, 1.3155,
0.0000

212.7023,
166.1220, 113.6492

 1.9451, 0.1531,
0.0000

257.5906,

 0.6028, 0.0000,

205.1021, 145.1566

0.0000

308.3877,
249.7476, 182.0075

■ 0.0000, 0.0000,
0.0000

■ 46.9989, 29.6870,
13.3783

■ 46.9989, 29.6870,
13.3783

■ 44.2162, 25.6157,
7.8459

■ 50.9009, 35.3975,
21.1341

■ 42.4334, 23.0068,
4.3022

■ 56.0213, 42.8902,
31.3129

■ 41.5078, 21.6522,
2.4625

■ 62.4506, 52.2981,
44.0939

■ 41.2399, 21.2602,
1.9300

■ 70.2702, 63.7404,
59.6388

■ 79.5548, 77.3265,
78.0964

90.3740, 93.1580,
99.6047

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.



50.1742, 29.6870, 33.4126



46.9989, 29.6870, 13.3783



38.5480, 29.6870, 5.3086

Triad

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



46.9989, 29.6870, 13.3783



15.5038, 29.6870, 12.3693



27.8424, 29.6870, 115.4908

Complementary

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



46.9989, 29.6870, 13.3783



58.2204, 81.0088, 107.1749

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.



19.9188, 29.6870, 99.0285



46.9989, 29.6870, 13.3783



13.8325, 29.6870, 31.2595

Square

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



46.9989, 29.6870, 13.3783



20.4394, 29.6870, 4.9923



15.2530, 29.6870, 63.8582



37.7520, 29.6870, 101.3166

Rectangle

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



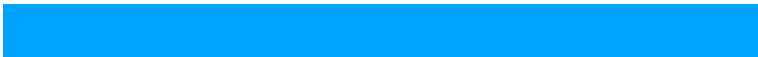
46.9989, 29.6870, 13.3783



31.8407, 29.6870, 3.6016



15.2530, 29.6870, 63.8582



24.8785, 29.6870, 113.2480

Sweetspot

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



46.9996, 29.6887, 13.3788



74.6522, 70.1523, 68.3496



63.1169, 36.1343, 98.2551



15.4242, 14.2041, 13.5274



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.



46.9996, 29.6887, 13.3788



43.5670, 24.6654, 6.5549



58.2112, 52.1119, 17.1160



18.0095, 17.9873, 18.6670



21.5489, 11.1090, 1.0085



2.0982, 1.0817, 0.0982

Inverse Universe

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



58.2204, 81.0088, 107.1749



55.5893, 79.6519, 107.0522



37.5033, 39.5746, 100.2692



18.5549, 20.4813, 23.2253



28.1145, 41.1385, 55.8933



2.7374, 4.0056, 5.4421

Previews

White Background



This preview shows how the XYZ color 46.9989, 29.6870, 13.3783 looks on a white background.

Color Contrast Check

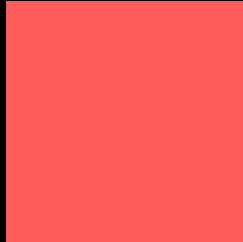
Large Text (above 18pt) WCAG AA ✓ Pass

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 46.9989, 29.6870, 13.3783 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 46.9989, 29.6870, 13.3783

Background



This preview shows how black text looks on a background with the XYZ color 46.9989, 29.6870, 13.3783.



This preview shows how white text looks on a background with the XYZ color 46.9989, 29.6870,

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

46.9989, 29.6870, 13.3783

Protanopia

27.7850, 29.6867, 20.4853

Deuteranopia

30.3293, 29.8099, 12.5429



Tritanopia

47.2248, 29.7774, 14.5678

Trichromacy



Original Color

46.9989, 29.6870, 13.3783

Protanomaly

32.3653, 27.8373, 17.5772

Deuteranomaly

34.9404, 28.5133, 12.6789

Tritanomaly

47.1327, 29.7405, 14.0828

Monochromacy



Original Color

46.9989, 29.6870, 13.3783

Achromatopsia

25.3171, 26.6356, 29.0061

Achromatomaly

29.9495, 25.5411, 22.0903

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.9989, 29.6870, 13.3783 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, 92, 92)` looks like.

```
.text, #text, p{  
    color:rgb(255, 92, 92)  
}
```

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, 92, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 92, 92) }
```

Border

The CSS property to change the border of an element to XYZ 46.9989, 29.6870, 13.3783 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, 92, 92) }
```


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

```
.border{ border-color:rgb(255, 92, 92) }
```

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

Here you see how a box with a 4 pixel rgb(255, 92, 92) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 92, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 92, 92);  
box-shadow:4px 4px 4px 4px rgb(255, 92,  
92) }
```

Background

The CSS property to change the background color of an element to XYZ 46.9989, 29.6870, 13.3783 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 92, 92) }
```

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

```
.background{ background-color: rgb(255, 92,  
92) }
```

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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