

Converting Colors

XYZ(50.0066, 31.2625, 11.4671)

Have a look what the booklet for
XYZ(50.0066, 31.2625, 11.4671)
contains.

XYZ(46.5901, 29.5235, 11.2257)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(46.5901, 29.5235,
11.2257)**

Conversions

Conversions Part 1

Format	Color
Hex	FF5C52
RGB	255, 92, 82
RGB Percent	100%, 36%, 32%
CMY	0.0000, 0.6392, 0.6784
CMYK	0.00, 0.64, 0.68, 0.00
HSL	3°, 100%, 66%
HSV	3°, 68%, 100%
XYZ	46.5901, 29.5235, 11.2257
YIQ	139.5970, 100.3580, 31.4460

Conversions

Conversions Part 2

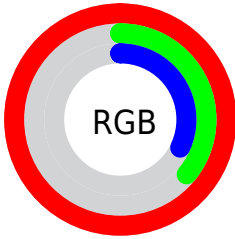
Format	Color
R_{YB}	255, 93, 82
Decimal	16735314
CIE _{Lab}	61.24, 61.30, 39.39
CIE _{LCh}	61, 72.866, 32.726
Yxy	29.5235, 0.5334, 0.3380
Android (android.graphics.Color)	4294925394 (0xFFFF5C52)
YUV	139.5970, -28.3953, 101.2084
Hunter-Lab	54.3355, 57.9680, 25.7856

Details

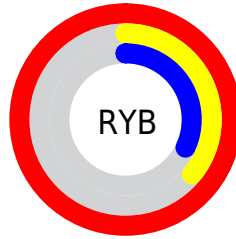
The XYZ color **46.5901, 29.5235, 11.2257** is a dark color, and the websafe version is hex **FF6666**. The color can be described as middle muted red. A complement of this color would be **54.1788, 74.3123, 106.0952**, and the grayscale version is **24.8517, 26.1459, 28.4729**.

A 20% lighter version of the original color is **56.1523, 44.4208, 27.4443**, and **22.1962, 11.9876, 2.8130** is the 20% darker color. If you saturate the color by 10%, you get **44.0321, 25.6829, 6.4425**, and if you desaturate by 10%, it is **50.1694, 34.8308, 18.1273**.

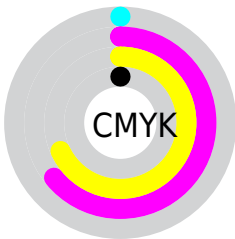
Distribution



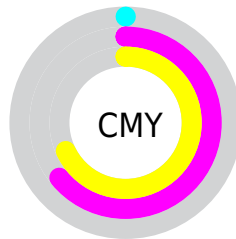
- Red (100%)
- Green (36%)
- Blue (32%)



- Red (100%)
- Yellow (36%)
- Blue (32%)



- Cyan (0%)
- Magenta (64%)
- Yellow (68%)
- Black (0%)





- Cyan (0%)
- Magenta (64%)
- Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.5901, 29.5235, 11.2257 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 46.5901, 29.5235, 11.2257 by changing the saturation by 10% instead.


 46.5901, 29.5235,
11.2257


 46.5901, 29.5235,
11.2257


363.8523,
299.6770, 210.0022

 32.9183, 19.4772,
6.1028


 84.3239, 58.9078,
28.7198

 22.2228, 12.0156,
2.8379


 109.1167, 79.0146,
41.9280


 14.1382, 6.7543,
1.0125


 138.3471,
103.2437, 58.6684

 8.2992, 3.3089,
0.0000

 172.3806,
131.9794, 79.3596

 4.3404, 1.2951,
0.0000

 211.5825,
165.6062, 104.4200

 1.8965, 0.1374,
0.0000

256.3182,

 0.5748, 0.0000,

204.5085, 134.2682

0.0000

306.9530,
249.0706, 169.3228

■ 0.0000, 0.0000,
0.0000

■ 46.5901, 29.5235,
11.2257

■ 46.5901, 29.5235,
11.2257

■ 44.0321, 25.6829,
6.4425

■ 50.1694, 34.8308,
18.1273

■ 42.3863, 23.1573,
3.5322

■ 54.8602, 41.7269,
27.3533

■ 41.5189, 21.7700,
2.1717

■ 60.7450, 50.3268,
39.0866

■ 41.4071, 21.5946,
1.9858

■ 67.8979, 60.7334,
53.4919

■ 76.3872, 73.0417,
70.7195

86.2760, 87.3397,
90.9087

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.



50.7813, 29.5235, 29.7014



46.5901, 29.5235, 11.2257



37.3793, 29.5235, 4.3571

Triad

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



46.5901, 29.5235, 11.2257



14.6641, 29.5235, 13.5220



28.9466, 29.5235, 118.9064

Complementary

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



46.5901, 29.5235, 11.2257



54.1788, 74.3123, 106.0952

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.



20.4367, 29.5235, 105.5520



46.5901, 29.5235, 11.2257



13.3877, 29.5235, 34.7214

Square

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



46.5901, 29.5235, 11.2257



19.2326, 29.5235, 5.0534



15.2400, 29.5235, 69.9428



39.2469, 29.5235, 100.1047

Rectangle

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



46.5901, 29.5235, 11.2257



30.4593, 29.5235, 3.0732



15.2400, 29.5235, 69.9428



25.7924, 29.5235, 118.0356

Sweetspot

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



46.5908, 29.5252, 11.2262



74.4400, 70.2215, 66.7574



60.9453, 33.9699, 90.8147



15.4108, 14.2731, 13.2276



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.



46.5908, 29.5252, 11.2262



43.4198, 24.7510, 5.3342



58.5145, 53.3726, 15.2007



18.0937, 18.1556, 18.6951



21.6692, 11.3497, 1.0486



2.1382, 1.1617, 0.1115

Inverse Universe

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



54.1788, 74.3123, 106.0952



51.3555, 71.9899, 105.7965



34.0745, 34.1035, 99.3937



18.4595, 20.2907, 23.1935



25.7900, 36.4896, 55.1185



2.5374, 3.6055, 5.3755

Previews

White Background



This preview shows how the XYZ color 46.5901, 29.5235, 11.2257 looks on a white background.

Color Contrast Check

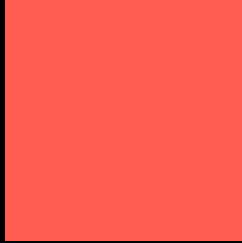
Large Text (above 18pt) WCAG AA ✓ Pass

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 46.5901, 29.5235, 11.2257 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 46.5901, 29.5235, 11.2257

Background



This preview shows how black text looks on a background with the XYZ color 46.5901, 29.5235, 11.2257.



This preview shows how white text looks on a background with the XYZ color 46.5901, 29.5235,

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

46.5901, 29.5235, 11.2257

Protanopia

27.5353, 29.6327, 17.1004

Deuteranopia

30.0189, 29.4759, 10.4106



Tritanopia

47.0924, 29.5867, 14.2951

Trichromacy



Original Color

46.5901, 29.5235, 11.2257

Protanomaly

32.2904, 27.8667, 14.5034

Deuteranomaly

34.6820, 28.2430, 10.4610

Tritanomaly

46.8694, 29.4975, 13.1208

Monochromacy



Original Color

46.5901, 29.5235, 11.2257

Achromatopsia

24.9269, 26.2251, 28.5591

Achromatomaly

29.7041, 25.4429, 20.7982

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.5901, 29.5235, 11.2257 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, 82)` looks like.

```
.text, #text, p{  
    color:rgb(255, 92, 82)  
}
```

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, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 92, 82) }
```

Border

The CSS property to change the border of an element to XYZ 46.5901, 29.5235, 11.2257 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, 82) }
```


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

```
.border{ border-color:rgb(255, 92, 82) }
```

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, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 92, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 92, 82);  
box-shadow:4px 4px 4px 4px rgb(255, 92,  
82) }
```

Background

The CSS property to change the background color of an element to XYZ 46.5901, 29.5235, 11.2257 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, 82) }
```

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

```
.background{ background-color: rgb(255, 92,  
82) }
```

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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