

Converting Colors

XYZ(47.0765, 30.5942, 15.8117)

Have a look what the booklet for
XYZ(47.0765, 30.5942, 15.8117)
contains.

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Color

**XYZ(46.9557, 30.5587,
15.7355)**

Conversions

Conversions Part 1

Format	Color
Hex	FC6365
RGB	252, 99, 101
RGB Percent	99%, 39%, 40%
CMY	0.0118, 0.6117, 0.6039
CMYK	0.00, 0.61, 0.60, 0.01
HSL	359°, 96%, 69%
HSV	359°, 61%, 99%
XYZ	46.9557, 30.5587, 15.7355
YIQ	144.9750, 90.5460, 33.0580

Conversions

Conversions Part 2

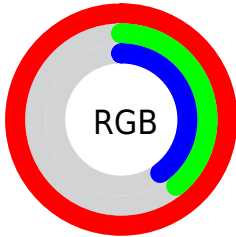
Format	Color
R _Y B	252, 99, 101
Decimal	16540517
CIE Lab	62.13, 58.48, 29.76
CIE LCh	62, 65.617, 26.969
Yxy	30.5587, 0.5035, 0.3277
Android (android.graphics.Color)	4294730597 (0xFFFC6365)
YUV	144.9750, -21.6797, 93.8609
Hunter-Lab	55.2799, 54.8810, 21.8190

Details

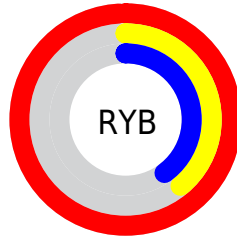
The XYZ color **46.9557, 30.5587, 15.7355** is a light color, and the websafe version is hex **FF6666**. A complement of this color would be **57.2134, 79.1763, 102.7161**, and the grayscale version is **26.9643, 28.3685, 30.8933**.

A 20% lighter version of the original color is **58.6288, 46.9697, 35.6817**, and **22.3776, 12.5362, 4.7303** is the 20% darker color. If you saturate the color by 10%, you get **43.8898, 26.0911, 9.5838**, and if you desaturate by 10%, it is **51.1363, 36.6662, 24.0778**.

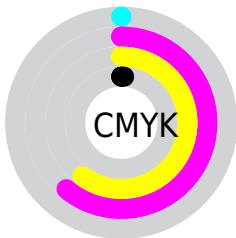
Distribution



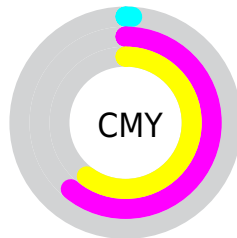
- Red (99%)
- Green (39%)
- Blue (40%)



- Red (99%)
- Yellow (39%)
- Blue (40%)



- Cyan (0%)
- Magenta (61%)
- Yellow (60%)
- Black (1%)





- Cyan (1%)
- Magenta (61%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.9557, 30.5587, 15.7355 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 46.9557, 30.5587, 15.7355 by changing the saturation by 10% instead.


 46.9557, 30.5587,
15.7355


 46.9557, 30.5587,
15.7355


365.2895,
304.5001, 239.5680


 33.2084, 20.2630,
9.1849


 84.8666, 60.5446,
36.8988


 22.4462, 12.5864,
4.7635


 109.7610, 81.0037,
52.3485

 14.3035, 7.1444,
2.0529


 139.1018,
105.6193, 71.6017

 8.4152, 3.5525,
0.5875

 173.2544,
134.7759, 95.0768

 4.4158, 1.4266,
0.0000

212.5841,
168.8579, 123.1925

 1.9399, 0.2362,
0.0000

257.4563,

 0.5999, 0.0000,

208.2497, 156.3672

0.0000

308.2363,
253.3356, 195.0196

■ 0.0000, 0.0000,
0.0000

■ 46.9557, 30.5587,
15.7355

■ 46.9557, 30.5587,
15.7355

■ 43.8898, 26.0911,
9.5838

■ 51.1363, 36.6662,
24.0778

■ 41.8300, 23.1007,
5.4160

■ 56.5222, 44.5460,
34.7888

■ 40.6501, 21.4009,
2.9883

■ 63.1973, 54.3228,
48.0302

■ 40.1627, 20.7025,
1.9734

■ 71.2373, 66.1086,
63.9490

■ 80.7122, 80.0066,
82.6811

91.6871, 96.1133,
104.3529

93.9547, 99.4354,
108.8487

Harmonies

Analogous

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



49.5110, 30.5587, 35.9114



46.9557, 30.5587, 15.7355



39.3170, 30.5587, 6.8906

Triad

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



46.9557, 30.5587, 15.7355



17.0103, 30.5587, 13.1840



28.1565, 30.5587, 109.2725

Complementary

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



46.9557, 30.5587, 15.7355



57.2134, 79.1763, 102.7161

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.



20.7389, 30.5587, 92.9478



46.9557, 30.5587, 15.7355



15.1763, 30.5587, 30.7676

Square

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



46.9557, 30.5587, 15.7355



22.0062, 30.5587, 6.0292



16.3895, 30.5587, 60.5524



37.4446, 30.5587, 98.1419

Rectangle

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



46.9557, 30.5587, 15.7355



33.0439, 30.5587, 4.8272



16.3895, 30.5587, 60.5524



25.3827, 30.5587, 106.6770

Sweetspot

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



46.9564, 30.5604, 15.7360



75.6602, 71.5481, 70.5978



61.2607, 36.1762, 95.8489



15.6230, 14.4762, 13.9805



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.



46.9564, 30.5604, 15.7360



44.5050, 25.9563, 8.6717



57.3321, 51.4661, 18.7189



17.2538, 17.2289, 17.9263



20.9254, 10.7859, 1.0495



1.9412, 1.0002, 0.1136

Inverse Universe

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



46.9564, 30.5604, 15.7360



44.5050, 25.9563, 8.6717



38.6484, 41.5438, 98.0768



17.2538, 17.2289, 17.9263



20.9254, 10.7859, 1.0495



1.9412, 1.0002, 0.1136

Previews

White Background



This preview shows how the XYZ color 46.9557, 30.5587, 15.7355 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 46.9557, 30.5587, 15.7355 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 ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 46.9557, 30.5587, 15.7355

Background



This preview shows how black text looks on a background with the XYZ color 46.9557, 30.5587, 15.7355.



This preview shows how white text looks on a background with the XYZ color 46.9557, 30.5587,

15.7355.

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

46.9557, 30.5587, 15.7355

Protanopia

28.7796, 30.6137, 23.1311

Deuteranopia

31.2850, 30.6998, 14.8664



Tritanopia

47.0624, 30.4507, 16.7617

Trichromacy



Original Color

46.9557, 30.5587, 15.7355

Protanomaly

33.2031, 28.8079, 20.0301

Deuteranomaly

35.6090, 29.5668, 15.1394

Tritanomaly

47.0113, 30.4303, 16.4926

Monochromacy



Original Color

46.9557, 30.5587, 15.7355

Achromatopsia

26.9133, 28.3149, 30.8349

Achromatomaly

31.4488, 27.2137, 24.3641

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.9557, 30.5587, 15.7355 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(252, 99, 101)` looks like.

```
.text, #text, p{  
    color:rgb(252, 99, 101)  
}
```

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(252, 99, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 99, 101) }
```

Border

The CSS property to change the border of an element to XYZ 46.9557, 30.5587, 15.7355 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(252, 99, 101) }
```


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

```
.border{ border-color:rgb(252, 99, 101) }
```

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

Here you see how a box with a 4 pixel rgb(252, 99, 101) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 99, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 99, 101);  
box-shadow:4px 4px 4px 4px rgb(252, 99,  
101) }
```

Background

The CSS property to change the background color of an element to XYZ 46.9557, 30.5587, 15.7355 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 99, 101) }
```

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

```
.background{ background-color: rgb(252, 99,  
101) }
```

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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