

Converting Colors

XYZ(46.9350, 30.8097, 9.5019)

Have a look what the booklet for
XYZ(46.9350, 30.8097, 9.5019)
contains.

XYZ(46.9345, 30.8293, 9.4382)	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(46.9345, 30.8293,
9.4382)**

Conversions

Conversions Part 1

Format	Color
Hex	FF6447
RGB	255, 100, 71
RGB Percent	100%, 39%, 28%
CMY	0.0000, 0.6078, 0.7216
CMYK	0.00, 0.61, 0.72, 0.00
HSL	9°, 100%, 64%
HSV	9°, 72%, 100%
XYZ	46.9345, 30.8293, 9.4382
YIQ	143.0390, 101.6890, 23.8410

Conversions

Conversions Part 2

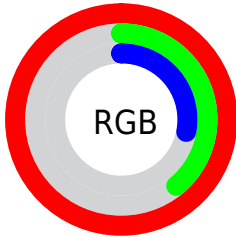
Format	Color
RYB	255, 105, 71
Decimal	16737351
CIELab	62.36, 57.43, 46.60
CIELCh	62, 73.956, 39.054
Yxy	30.8293, 0.5382, 0.3535
Android (android.graphics.Color)	4294927431 (0xFFFF6447)
YUV	143.0390, -35.5152, 98.1898
Hunter-Lab	55.5241, 53.7186, 28.7886

Details

The XYZ color **46.9345, 30.8293, 9.4382** is a dark color, and the websafe version is hex **FF6633**. The color can be described as middle washed orange. A complement of this color would be **47.8423, 62.9472, 104.2355**, and the grayscale version is **26.2343, 27.6005, 30.0569**.

A 20% lighter version of the original color is **56.5797, 46.4174, 24.0665**, and **22.4437, 12.7282, 2.1380** is the 20% darker color. If you saturate the color by 10%, you get **44.4853, 26.9776, 5.3961**, and if you desaturate by 10%, it is **50.2712, 35.9077, 15.4690**.

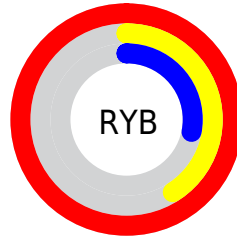
Distribution



Red (100%)

Green (39%)

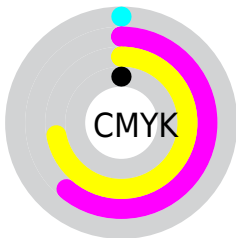
Blue (28%)



Red (100%)

Yellow (41%)

Blue (28%)

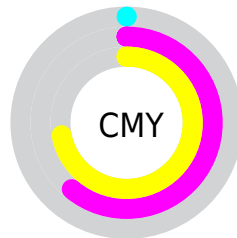


Cyan (0%)

Magenta (61%)

Yellow (72%)

Black (0%)



Cyan (0%)


Magenta (61%)


Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.9345, 30.8293, 9.4382 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 46.9345, 30.8293, 9.4382 by changing the saturation by 10% instead.


 46.9345, 30.8293,
9.4382


 46.9345, 30.8293,
9.4382


365.2063,
305.7511, 196.9509

 33.1916, 20.4689,
4.9274


 84.8352, 60.9712,
25.3244


 22.4332, 12.7363,
2.1467


 109.7237, 81.5215,
37.5369


 14.2939, 7.2472,
0.6434


 139.0581,
106.2373, 53.1536

 8.4085, 3.6172,
0.0000

 173.2038,
135.5028, 72.5932

 4.4114, 1.4618,
0.0000

 212.5261,
169.7026, 96.2742

 1.9374, 0.2616,
0.0000

257.3904,

 0.5984, 0.0000,

209.2210, 124.6151

0.0000

308.1620,
254.4424, 158.0345

■ 0.0000, 0.0000,
0.0000

■ 46.9345, 30.8293,
9.4382

■ 46.9345, 30.8293,
9.4382

■ 44.4853, 26.9776,
5.3961

■ 50.2712, 35.9077,
15.4690

■ 42.8316, 24.2416,
3.0835


■ 54.5705, 42.3007,
23.7014


■ 42.0053, 22.7911,
2.1852

■ 59.9015, 50.0941,
34.3224

■ 66.3265, 59.3648,
47.4985

■ 73.9025, 70.1840,
63.3813

 82.6827, 82.6184,
82.1107

 92.7168, 96.7306,
103.8168

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.



52.7162, 30.8293, 25.6193



46.9345, 30.8293, 9.4382



36.7358, 30.8293, 3.9200

Triad

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



46.9345, 30.8293, 9.4382



14.7519, 30.8293, 17.4664



32.4367, 30.8293, 122.7333

Complementary

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



46.9345, 30.8293, 9.4382



47.8423, 62.9472, 104.2355

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.



22.9460, 30.8293, 115.8506



46.9345, 30.8293, 9.4382



14.1083, 30.8293, 43.0108

Square

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



46.9345, 30.8293, 9.4382



18.7714, 30.8293, 6.3791



16.7529, 30.8293, 81.6532



43.1791, 30.8293, 97.1483

Rectangle

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



46.9345, 30.8293, 9.4382



29.6213, 30.8293, 3.1141



16.7529, 30.8293, 81.6532



28.9856, 30.8293, 124.3525

Sweetspot

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



46.9352, 30.8311, 9.4387



74.0308, 70.3662, 63.6522



57.4134, 31.3346, 75.9846



15.3798, 14.3982, 12.6407



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.



46.9352, 30.8311, 9.4387



43.5914, 25.5202, 4.0782



60.9207, 58.8021, 14.1006



18.2406, 18.4493, 18.7440



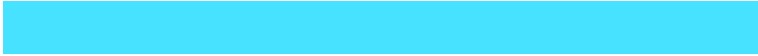
22.0169, 12.0451, 1.1645



2.2072, 1.2998, 0.1346

Inverse Universe

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



47.8423, 62.9472, 104.2355



44.2814, 58.7447, 103.6127



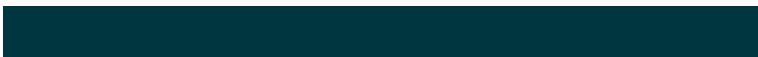
29.3685, 25.9995, 98.0776



18.2966, 19.9649, 23.1392



22.1935, 29.2966, 53.9197



2.2235, 2.9778, 5.2708

Previews

White Background



This preview shows how the XYZ color 46.9345, 30.8293, 9.4382 looks on a white background.

Color Contrast Check

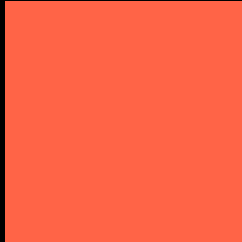
Large Text (above 18pt) WCAG AA × Fail

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 46.9345, 30.8293, 9.4382 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 46.9345, 30.8293, 9.4382

Background



This preview shows how black text looks on a background with the XYZ color 46.9345, 30.8293, 9.4382.



This preview shows how white text looks on a background with the XYZ color 46.9345, 30.8293,

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

46.9345, 30.8293, 9.4382

Protanopia

28.5539, 30.9448, 13.7005

Deuteranopia

31.5818, 30.9857, 8.8737



Tritanopia

47.9629, 30.7887, 16.2468

Trichromacy



Original Color

46.9345, 30.8293, 9.4382

Protanomaly

33.0630, 29.1175, 11.8603

Deuteranomaly

35.8247, 29.8170, 8.8681

Tritanomaly

47.4960, 30.7507, 13.3297

Monochromacy



Original Color

46.9345, 30.8293, 9.4382

Achromatopsia

26.1081, 27.4677, 29.9124

Achromatomaly

30.5674, 26.6534, 20.3632

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.9345, 30.8293, 9.4382 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, 100, 71)` looks like.

```
.text, #text, p{  
    color:rgb(255, 100, 71)  
}
```

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, 100, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 100, 71) }
```

Border

The CSS property to change the border of an element to XYZ 46.9345, 30.8293, 9.4382 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, 100, 71) }
```


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

```
.border{ border-color:rgb(255, 100, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 100, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 100, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 100, 71);  
box-shadow:4px 4px 4px 4px rgb(255, 100,  
71) }
```

Background

The CSS property to change the background color of an element to XYZ 46.9345, 30.8293, 9.4382 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 100, 71) }
```

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

```
.background{ background-color: rgb(255,  
100, 71) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor