

Converting Colors

$Y_{xy}(46.2795, 0.4809, 0.4170)$

Have a look what the booklet for
Yxy(46.2795, 0.4809, 0.4170)
contains.

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Color

Yxy(46.3923, 0.4813, 0.4172)

Conversions

Conversions Part 1

Format	Color
Hex	FBA142
RGB	251, 161, 66
RGB Percent	98%, 63%, 26%
CMY	0.0156, 0.3687, 0.7412
CMYK	0.00, 0.36, 0.74, 0.02
HSL	31°, 96%, 62%
HSV	31°, 74%, 98%
XYZ	53.5202, 46.3923, 11.2867
YIQ	177.0800, 84.1350, -10.4650

Conversions

Conversions Part 2

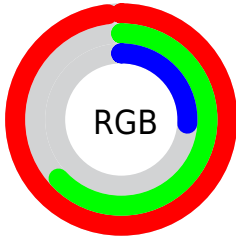
Format	Color
R _Y B	241, 251, 66
Decimal	16490818
CIE Lab	73.80, 25.82, 60.88
CIE LCh	74, 66.125, 67.017
Yxy	46.3923, 0.4813, 0.4172
Android (android.graphics.Color)	4294680898 (0xFFFB142)
YUV	177.0800, -54.7624, 64.8278
Hunter-Lab	68.1119, 21.0638, 37.8535

Details

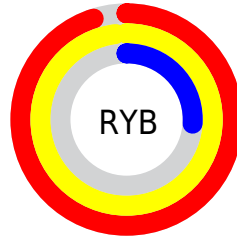
The Yxy color **46.3923, 0.4813, 0.4172** is a light color, and the websafe version is hex **FF9933**. The color can be described as light washed orange. A complement of this color would be **31.9136, 0.1982, 0.2004**, and the grayscale version is **44.2718, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.7036, 0.4103, 0.4256**, and **21.7605, 0.5180, 0.4259** is the 20% darker color. If you saturate the color by 10%, you get **42.0981, 0.5063, 0.4187**, and if you desaturate by 10%, it is **51.2382, 0.4543, 0.4108**.

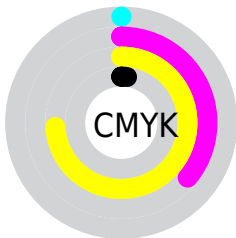
Distribution



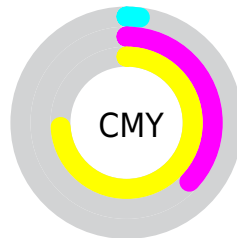
- Red (98%)
- Green (63%)
- Blue (26%)



- Red (95%)
- Yellow (98%)
- Blue (26%)



- Cyan (0%)
- Magenta (36%)
- Yellow (74%)
- Black (2%)





- Cyan (2%)
- Magenta (37%)
- Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.3923, 0.4813, 0.4172 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 Yxy color 46.3923, 0.4813, 0.4172 by changing the saturation by 10% instead.

 46.3923, 0.4813,
0.4172


 46.3923, 0.4813,
0.4172


372.3836, 0.4012,
0.3826


 32.5555, 0.4984,
0.4220


 84.8058, 0.4541,
0.4074


 21.7862, 0.5182,
0.4259


 110.1513, 0.4433,
0.4029


 13.6999, 0.5408,
0.4273


 140.1018, 0.4339,
0.3987

 7.9122, 0.5720,
0.4280

 175.0418, 0.4256,
0.3948

 4.0388, 0.5914,
0.4086

 215.3555, 0.4184,
0.3914

 1.6953, 0.6222,
0.3778

261.4275, 0.4120,

 0.4206, 0.7129,

0.3882

0.2871

313.6420, 0.4063,
0.3853

■ 0.0000, 0.0000,
0.0000

■ 46.3923, 0.4813,
0.4172

■ 46.3923, 0.4813,
0.4172

■ 42.0981, 0.5063,
0.4187

■ 51.2382, 0.4543,
0.4108

■ 38.3182, 0.5278,
0.4147


■ 56.6551, 0.4272,
0.4007

■ 36.1831, 0.5395,
0.4098

■ 62.6694, 0.4011,
0.3883

■ 69.3033, 0.3769,
0.3746

■ 76.5774, 0.3550,
0.3606

 84.5114, 0.3356,
0.3468

 93.1238, 0.3185,
0.3337

 99.2550, 0.3103,
0.3290

Harmonies

Analogous

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



46.3923, 0.4909, 0.3520



46.3923, 0.4813, 0.4172



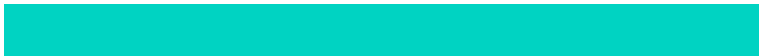
46.3923, 0.4248, 0.4761

Triad

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



46.3923, 0.4813, 0.4172



46.3923, 0.1935, 0.3555



46.3923, 0.2602, 0.2041

Complementary

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



46.3923, 0.4813, 0.4172



31.9136, 0.1982, 0.2004

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.



46.3923, 0.1962, 0.1940



46.3923, 0.4813, 0.4172



46.3923, 0.1621, 0.2649

Square

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



46.3923, 0.4813, 0.4172



46.3923, 0.2587, 0.4548



46.3923, 0.1638, 0.2120



46.3923, 0.3505, 0.2379

Rectangle

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



46.3923, 0.4813, 0.4172



46.3923, 0.3721, 0.4988



46.3923, 0.1638, 0.2120



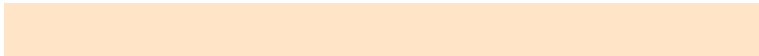
46.3923, 0.2353, 0.1979

Sweetspot

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



46.3947, 0.4813, 0.4172



80.7014, 0.3516, 0.3582



26.8971, 0.4356, 0.2443



16.8145, 0.3571, 0.3620



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



46.3947, 0.4813, 0.4172



41.8545, 0.5162, 0.4177



89.9219, 0.4097, 0.4894



18.6989, 0.3281, 0.3412



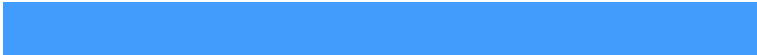
19.3072, 0.5370, 0.4118



2.0005, 0.5191, 0.4260

Inverse Universe

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



31.9136, 0.1982, 0.2004



26.2014, 0.1835, 0.1720



12.0208, 0.1714, 0.0953



18.0373, 0.2980, 0.3165



11.2848, 0.1759, 0.1531



1.2566, 0.1820, 0.1750

Previews

White Background



This preview shows how the Yxy color 46.3923, 0.4813, 0.4172 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 Yxy color 46.3923, 0.4813, 0.4172 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](#).

Yxy 46.3923, 0.4813, 0.4172

Background



This preview shows how black text looks on a background with the Yxy color 46.3923, 0.4813, 0.4172.



This preview shows how white text looks on a background with the Yxy color 46.3923, 0.4813, 0.4172.

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

46.3923, 0.4813, 0.4172

Protanopia

46.6203, 0.4168, 0.4569

Deuteranopia

46.5658, 0.4519, 0.4431



Tritanopia

46.3608, 0.4049, 0.3177

Trichromacy



Original Color

46.3923, 0.4813, 0.4172

Protanomaly

45.9299, 0.4402, 0.4419

Deuteranomaly

46.5677, 0.4629, 0.4339

Tritanomaly

46.0720, 0.4383, 0.3574

Monochromacy



Original Color

46.3923, 0.4813, 0.4172

Achromatopsia

43.9657, 0.3127, 0.3290

Achromatomaly

43.7693, 0.3742, 0.3724

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.3923, 0.4813, 0.4172 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(251, 161, 66)` looks like.

```
.text, #text, p{  
    color:rgb(251, 161, 66)  
}
```

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(251, 161, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 161, 66) }
```

Border

The CSS property to change the border of an element to Yxy 46.3923, 0.4813, 0.4172 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(251, 161, 66) }
```

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

```
.border{ border-color:rgb(251, 161, 66) }
```

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

Here you see how a box with a 4 pixel rgb(251, 161, 66) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 161, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 161, 66);  
box-shadow:4px 4px 4px 4px rgb(251, 161,  
66) }
```


Background

The CSS property to change the background color of an element to Yxy 46.3923, 0.4813, 0.4172 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 161, 66) }
```

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

```
.background{ background-color: rgb(251,  
161, 66) }
```

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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