

Converting Colors

$Y_{xy}(46.7064, 0.4793, 0.4186)$

Have a look what the booklet for
Yxy(46.7064, 0.4793, 0.4186)
contains.

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Color

Yxy(46.5580, 0.4795, 0.4186)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | FAA242 |
| RGB | 250, 162, 66 |
| RGB Percent | 98%, 64%, 26% |
| CMY | 0.0196, 0.3647, 0.7411 |
| CMYK | 0.00, 0.35, 0.74, 0.02 |
| HSL | 31°, 95%, 62% |
| HSV | 31°, 74%, 98% |
| XYZ | 53.3315, 46.5580, 11.3336 |
| YIQ | 177.3680, 83.2640, -11.2000 |

Conversions

Conversions Part 2

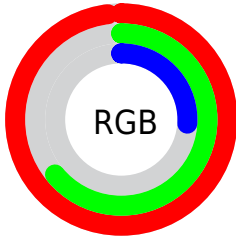
| Format | Color |
|-------------------------------------|--------------------------------|
| R _Y B | 235, 250, 66 |
| Decimal | 16425538 |
| CIE Lab | 73.91, 24.87, 60.93 |
| CIE LCh | 74, 65.812, 67.793 |
| Yxy | 46.5580, 0.4795, 0.4186 |
| Android (android.graphics.Color) | 4294615618 (0xFFFAA242) |
| YUV | 177.3680, -54.9044, 63.6983 |
| Hunter-Lab | 68.2334, 20.1078, 37.9153 |

Details

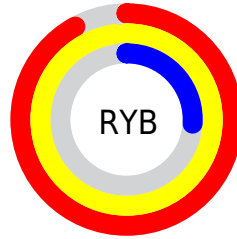
The Yxy color **46.5580, 0.4795, 0.4186** is a light color, and the websafe version is hex **FF9933**. The color can be described as light washed orange. A complement of this color would be **31.1851, 0.1978, 0.1985**, and the grayscale version is **44.4346, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.2176, 0.4097, 0.4265**, and **21.8476, 0.5156, 0.4279** is the 20% darker color. If you saturate the color by 10%, you get **42.3120, 0.5042, 0.4204**, and if you desaturate by 10%, it is **51.3383, 0.4529, 0.4120**.

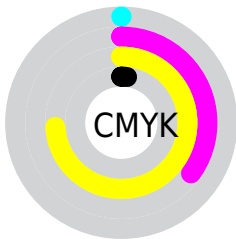
Distribution



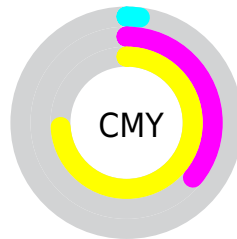
- Red (98%)
- Green (64%)
- Blue (26%)



- Red (92%)
- Yellow (98%)
- Blue (26%)



- Cyan (0%)
- Magenta (35%)
- Yellow (74%)
- Black (2%)





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

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.5580, 0.4795, 0.4186 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 46.5580, 0.4795, 0.4186 by changing the saturation by 10% instead.

 46.5580, 0.4795,
0.4186

 46.5580, 0.4795,
0.4186

373.0475, 0.4004,
0.3832


 32.6864, 0.4963,
0.4236


 85.0535, 0.4526,
0.4085

 21.8863, 0.5159,
0.4278


 110.4461, 0.4419,
0.4038


 13.7734, 0.5381,
0.4296


 140.4479, 0.4326,
0.3995

 7.9632, 0.5689,
0.4311

 175.4432, 0.4245,
0.3956

 4.0714, 0.5877,
0.4123

 215.8164, 0.4174,
0.3921

 1.7136, 0.6174,
0.3826

261.9519, 0.4110,

 0.4324, 0.7045,

0.3888

0.2955

314.2341, 0.4054,
0.3859

■ 0.0000, 0.0000,
0.0000

■ 46.5580, 0.4795,
0.4186

■ 46.5580, 0.4795,
0.4186

■ 42.3120, 0.5042,
0.4204

■ 51.3383, 0.4529,
0.4120

■ 38.5638, 0.5253,
0.4166

■ 56.6713, 0.4261,
0.4016

■ 36.4021, 0.5370,
0.4118


■ 62.5826, 0.4003,
0.3890

■ 69.0934, 0.3764,
0.3751

■ 76.2239, 0.3547,
0.3609

 83.9927, 0.3353,
0.3469

 92.4178, 0.3183,
0.3336

 99.0659, 0.3096,
0.3290

Harmonies

Analogous

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



46.5580, 0.4904, 0.3536



46.5580, 0.4795, 0.4186



46.5580, 0.4224, 0.4766

Triad

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



46.5580, 0.4795, 0.4186



46.5580, 0.1929, 0.3528



46.5580, 0.2625, 0.2052

Complementary

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



46.5580, 0.4795, 0.4186



31.1851, 0.1978, 0.1985

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.



46.5580, 0.1980, 0.1946



46.5580, 0.4795, 0.4186



46.5580, 0.1625, 0.2634

Square

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



46.5580, 0.4795, 0.4186



46.5580, 0.2571, 0.4518



46.5580, 0.1649, 0.2117



46.5580, 0.3528, 0.2395

Rectangle

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



46.5580, 0.4795, 0.4186



46.5580, 0.3697, 0.4982



46.5580, 0.1649, 0.2117



46.5580, 0.2376, 0.1989

Sweetspot

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



46.5604, 0.4795, 0.4186



80.9561, 0.3515, 0.3587



26.5904, 0.4399, 0.2473



16.8746, 0.3570, 0.3625



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.



46.5604, 0.4795, 0.4186



42.4292, 0.5142, 0.4194



88.5351, 0.4074, 0.4907



18.7234, 0.3281, 0.3414



19.5973, 0.5346, 0.4137



2.0274, 0.5171, 0.4277

Inverse Universe

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



31.1851, 0.1978, 0.1985



25.6657, 0.1828, 0.1695



12.0709, 0.1728, 0.0963



18.0129, 0.2980, 0.3163



11.0183, 0.1751, 0.1504



1.2314, 0.1813, 0.1725

Previews

White Background



This preview shows how the Yxy color 46.5580, 0.4795, 0.4186 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 46.5580, 0.4795, 0.4186 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 46.5580, 0.4795, 0.4186

Background



This preview shows how black text looks on a background with the Yxy color 46.5580, 0.4795, 0.4186.



This preview shows how white text looks on a background with the Yxy color 46.5580, 0.4795, 0.4186.

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

46.5580, 0.4795, 0.4186

Protanopia

46.6203, 0.4168, 0.4569

Deuteranopia

46.7400, 0.4522, 0.4419



Tritanopia

46.3968, 0.4038, 0.3166

Trichromacy



Original Color

46.5580, 0.4795, 0.4186

Protanomaly

46.3178, 0.4394, 0.4429

Deuteranomaly

46.5790, 0.4624, 0.4333

Tritanomaly

46.2181, 0.4368, 0.3586

Monochromacy



Original Color

46.5580, 0.4795, 0.4186

Achromatopsia

43.9657, 0.3127, 0.3290

Achromatomaly

44.1486, 0.3738, 0.3736

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.5580, 0.4795, 0.4186 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(250, 162, 66)` looks like.

```
.text, #text, p{  
    color:rgb(250, 162, 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(250, 162, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 162, 66) }
```

Border

The CSS property to change the border of an element to Yxy 46.5580, 0.4795, 0.4186 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(250, 162, 66) }
```

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

```
.border{ border-color:rgb(250, 162, 66) }
```

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

Here you see how a box with a 4 pixel rgb(250, 162, 66) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 162, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 162, 66);  
box-shadow:4px 4px 4px 4px rgb(250, 162,  
66) }
```


Background

The CSS property to change the background color of an element to Yxy 46.5580, 0.4795, 0.4186 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 162, 66) }
```

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

```
.background{ background-color: rgb(250,  
162, 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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