

Converting Colors

$Y_{xy}(45.8373, 0.4732, 0.4198)$

Have a look what the booklet for
Yxy(45.8373, 0.4732, 0.4198)
contains.

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Color

Yxy(46.0365, 0.4727, 0.4199)

Conversions

Conversions Part 1

Format	Color
Hex	F5A345
RGB	245, 163, 69
RGB Percent	96%, 64%, 27%
CMY	0.0392, 0.3607, 0.7296
CMYK	0.00, 0.33, 0.72, 0.04
HSL	32°, 90%, 62%
HSV	32°, 72%, 96%
XYZ	51.8253, 46.0365, 11.7750
YIQ	176.8020, 79.0460, -11.8500

Conversions

Conversions Part 2

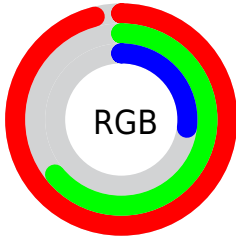
Format	Color
R _Y B	223, 245, 69
Decimal	16098117
CIE Lab	73.57, 22.41, 59.14
CIE LCh	74, 63.245, 69.251
Yxy	46.0365, 0.4727, 0.4199
Android (android.graphics.Color)	4294288197 (0xFF5A345)
YUV	176.8020, -53.1464, 59.8096
Hunter-Lab	67.8502, 17.6040, 37.2057

Details

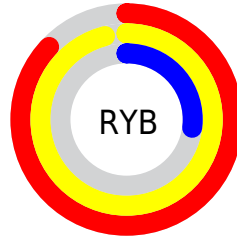
The Yxy color **46.0365, 0.4727, 0.4199** is a light color, and the websafe version is hex **FF9933**. The color can be described as light washed orange. A complement of this color would be **29.9660, 0.1992, 0.1991**, and the grayscale version is **44.1088, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.8079, 0.4073, 0.4247**, and **21.5768, 0.5087, 0.4305** is the 20% darker color. If you saturate the color by 10%, you get **41.9242, 0.4972, 0.4229**, and if you desaturate by 10%, it is **50.6445, 0.4466, 0.4122**.

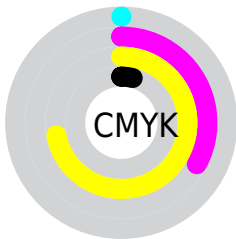
Distribution



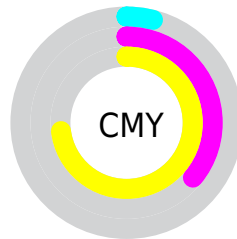
- Red (96%)
- Green (64%)
- Blue (27%)



- Red (87%)
- Yellow (96%)
- Blue (27%)



- Cyan (0%)
- Magenta (33%)
- Yellow (72%)
- Black (4%)





- Cyan (4%)
- Magenta (36%)
- Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.0365, 0.4727, 0.4199 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 46.0365, 0.4727, 0.4199 by changing the saturation by 10% instead.


 46.0365, 0.4727,
0.4199

 46.0365, 0.4727,
0.4199


370.9554, 0.3964,
0.3829

 32.2746, 0.4891,
0.4256


 84.2736, 0.4467,
0.4090


 21.5713, 0.5082,
0.4307


 109.5177, 0.4364,
0.4041

 13.5423, 0.5301,
0.4339


 139.3579, 0.4274,
0.3996

 7.8030, 0.5618,
0.4382

 174.1786, 0.4196,
0.3956

 3.9692, 0.5792,
0.4208

 214.3644, 0.4127,
0.3919

 1.6563, 0.6071,
0.3929

260.2995, 0.4067,

 0.3951, 0.7007,

0.3886

0.2993

312.3684, 0.4013,
0.3856

■ 0.0000, 0.0000,
0.0000

■ 46.0365, 0.4727,
0.4199

■ 46.0365, 0.4727,
0.4199

■ 41.9242, 0.4972,
0.4229

■ 50.6445, 0.4466,
0.4122

■ 38.2744, 0.5184,
0.4205


■ 55.7642, 0.4204,
0.4011

■ 35.6187, 0.5331,
0.4149

■ 61.4188, 0.3953,
0.3879


■ 67.6277, 0.3720,
0.3736

■ 74.4089, 0.3509,
0.3591

 81.7795, 0.3321,
0.3449

 89.7557, 0.3156,
0.3314

 97.6960, 0.3066,
0.3283

 98.1518, 0.3066,
0.3290

Harmonies

Analogous

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



46.0365, 0.4852, 0.3568



46.0365, 0.4727, 0.4199



46.0365, 0.4163, 0.4745

Triad

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



46.0365, 0.4727, 0.4199



46.0365, 0.1945, 0.3474



46.0365, 0.2681, 0.2098

Complementary

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



46.0365, 0.4727, 0.4199



29.9660, 0.1992, 0.1991

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.



46.0365, 0.2038, 0.1983



46.0365, 0.4727, 0.4199



46.0365, 0.1662, 0.2627

Square

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



46.0365, 0.4727, 0.4199



46.0365, 0.2557, 0.4430



46.0365, 0.1699, 0.2139



46.0365, 0.3562, 0.2444

Rectangle

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



46.0365, 0.4727, 0.4199



46.0365, 0.3647, 0.4928



46.0365, 0.1699, 0.2139



46.0365, 0.2434, 0.2032

Sweetspot

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



46.0388, 0.4727, 0.4199



81.3482, 0.3513, 0.3594



25.8988, 0.4397, 0.2510



16.9671, 0.3568, 0.3633



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.



46.0388, 0.4727, 0.4199



44.1269, 0.5068, 0.4226



84.1046, 0.4041, 0.4899



17.9489, 0.3280, 0.3417



19.4693, 0.5307, 0.4168



1.9168, 0.5130, 0.4309

Inverse Universe

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



29.9660, 0.1992, 0.1991



25.7167, 0.1835, 0.1696



12.3299, 0.1770, 0.1015



17.1989, 0.2980, 0.3160



10.3176, 0.1740, 0.1464



1.1104, 0.1806, 0.1700

Previews

White Background



This preview shows how the Yxy color 46.0365, 0.4727, 0.4199 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 46.0365, 0.4727, 0.4199 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 46.0365, 0.4727, 0.4199

Background



This preview shows how black text looks on a background with the Yxy color 46.0365, 0.4727, 0.4199.



This preview shows how white text looks on a background with the Yxy color 46.0365, 0.4727, 0.4199.

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

46.0365, 0.4727, 0.4199

Protanopia

46.0987, 0.4155, 0.4547

Deuteranopia

46.0671, 0.4497, 0.4399



Tritanopia

45.9720, 0.3997, 0.3175

Trichromacy



Original Color

46.0365, 0.4727, 0.4199

Protanomaly

45.6454, 0.4372, 0.4413

Deuteranomaly

46.1048, 0.4581, 0.4327

Tritanomaly

45.8387, 0.4316, 0.3591

Monochromacy



Original Color

46.0365, 0.4727, 0.4199

Achromatopsia

43.9657, 0.3127, 0.3290

Achromatomaly

43.8966, 0.3709, 0.3726

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.0365, 0.4727, 0.4199 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(245, 163, 69)` looks like.

```
.text, #text, p{  
    color:rgb(245, 163, 69)  
}
```

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(245, 163, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 163, 69) }
```

Border

The CSS property to change the border of an element to Yxy 46.0365, 0.4727, 0.4199 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(245, 163, 69) }
```

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

```
.border{ border-color:rgb(245, 163, 69) }
```

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

Here you see how a box with a 4 pixel rgb(245, 163, 69) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 163, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 163, 69);  
box-shadow:4px 4px 4px 4px rgb(245, 163,  
69) }
```


Background

The CSS property to change the background color of an element to Yxy 46.0365, 0.4727, 0.4199 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 163, 69) }
```

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

```
.background{ background-color: rgb(245,  
163, 69) }
```

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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