

Converting Colors

$Y_{xy}(48.4074, 0.4603, 0.4227)$

Have a look what the booklet for
Yxy(48.4074, 0.4603, 0.4227)
contains.

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Color

Yxy(48.3259, 0.4603, 0.4226)

Conversions

Conversions Part 1

Format	Color
Hex	F3AA4C
RGB	243, 170, 76
RGB Percent	95%, 67%, 30%
CMY	0.0471, 0.3333, 0.7020
CMYK	0.00, 0.30, 0.69, 0.05
HSL	34°, 87%, 63%
HSV	34°, 69%, 95%
XYZ	52.6370, 48.3259, 13.3908
YIQ	181.1110, 73.6820, -13.7580

Conversions

Conversions Part 2

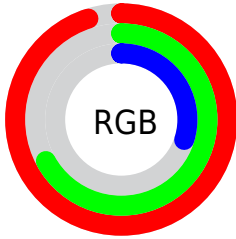
Format	Color
R _Y B	206, 243, 76
Decimal	15968844
CIE Lab	75.03, 18.23, 57.49
CIE LCh	75, 60.310, 72.405
Yxy	48.3259, 0.4603, 0.4226
Android (android.graphics.Color)	4294158924 (0xFFFF3AA4C)
YUV	181.1110, -51.8197, 54.2767
Hunter-Lab	69.5168, 13.5029, 37.2409

Details

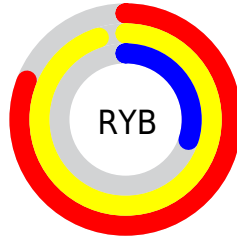
The Yxy color **48.3259, 0.4603, 0.4226** is a light color, and the websafe version is hex **CC9933**. The color can be described as light washed orange. A complement of this color would be **29.4919, 0.2016, 0.1989**, and the grayscale version is **46.5288, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.6954, 0.3994, 0.4247**, and **22.9525, 0.4925, 0.4366** is the 20% darker color. If you saturate the color by 10%, you get **44.2298, 0.4840, 0.4278**, and if you desaturate by 10%, it is **52.8760, 0.4353, 0.4131**.

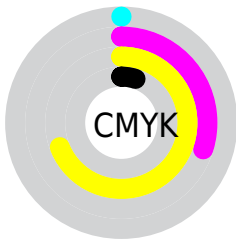
Distribution



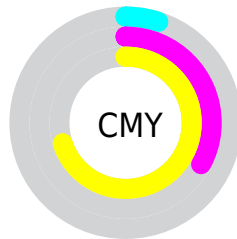
- Red (95%)
- Green (67%)
- Blue (30%)



- Red (81%)
- Yellow (95%)
- Blue (30%)



- Cyan (0%)
- Magenta (30%)
- Yellow (69%)
- Black (5%)





- Cyan (5%)
- Magenta (33%)
- Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.3259, 0.4603, 0.4226 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 48.3259, 0.4603, 0.4226 by changing the saturation by 10% instead.


 48.3259, 0.4603,
0.4226


 48.3259, 0.4603,
0.4226


380.0825, 0.3903,
0.3832


 34.0850, 0.4754,
0.4293


 87.6894, 0.4364,
0.4105

 22.9589, 0.4930,
0.4361


 113.5809, 0.4270,
0.4052


 14.5632, 0.5133,
0.4417


 144.1247, 0.4188,
0.4005

 8.5134, 0.5410,
0.4483

 179.7052, 0.4116,
0.3963

 4.4252, 0.5606,
0.4394

 220.7069, 0.4053,
0.3925

 1.9141, 0.5824,
0.4176

267.5140, 0.3997,

 0.5569, 0.6380,

0.3891

0.3620

320.5111, 0.3948,
0.3860

0.0000, 0.0000,
0.0000

48.3259, 0.4603,
0.4226

48.3259, 0.4603,
0.4226

44.2298, 0.4840,
0.4278

52.8760, 0.4353,
0.4131

40.5575, 0.5050,
0.4278

57.8929, 0.4104,
0.4006


37.2815, 0.5224,
0.4226

63.3975, 0.3866,
0.3862

36.8870, 0.5245,
0.4217


69.4068, 0.3646,
0.3711

75.9366, 0.3445,
0.3559

 83.0019, 0.3266,
0.3412

 90.6172, 0.3108,
0.3273

 97.7649, 0.3053,
0.3289

 97.7916, 0.3053,
0.3290

Harmonies

Analogous

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



48.3259, 0.4763, 0.3630



48.3259, 0.4603, 0.4226



48.3259, 0.4045, 0.4706

Triad

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



48.3259, 0.4603, 0.4226



48.3259, 0.1968, 0.3373



48.3259, 0.2789, 0.2183

Complementary

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



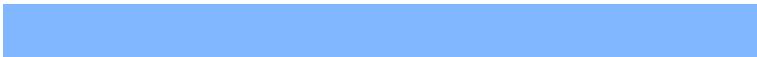
48.3259, 0.4603, 0.4226



29.4919, 0.2016, 0.1989

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.



48.3259, 0.2147, 0.2049



48.3259, 0.4603, 0.4226



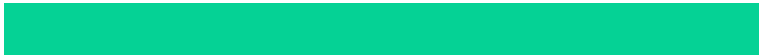
48.3259, 0.1726, 0.2607

Square

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



48.3259, 0.4603, 0.4226



48.3259, 0.2522, 0.4269



48.3259, 0.1791, 0.2173



48.3259, 0.3630, 0.2534

Rectangle

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



48.3259, 0.4603, 0.4226



48.3259, 0.3548, 0.4831



48.3259, 0.1791, 0.2173



48.3259, 0.2545, 0.2112

Sweetspot

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



48.3283, 0.4603, 0.4226



82.9863, 0.3490, 0.3594



26.4597, 0.4354, 0.2552



17.3263, 0.3545, 0.3636



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.



48.3283, 0.4603, 0.4226



47.8739, 0.4917, 0.4285



82.2124, 0.3997, 0.4869



18.0307, 0.3279, 0.3423



20.5215, 0.5224, 0.4234



2.0080, 0.5059, 0.4365

Inverse Universe

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



29.4919, 0.2016, 0.1989



25.7677, 0.1852, 0.1695



13.5402, 0.1837, 0.1108



17.1182, 0.2980, 0.3153



9.4878, 0.1715, 0.1373



1.0346, 0.1782, 0.1615

Previews

White Background



This preview shows how the Yxy color 48.3259, 0.4603, 0.4226 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 48.3259, 0.4603, 0.4226 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 48.3259, 0.4603, 0.4226

Background



This preview shows how black text looks on a background with the Yxy color 48.3259, 0.4603, 0.4226.



This preview shows how white text looks on a background with the Yxy color 48.3259, 0.4603, 0.4226.

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

48.3259, 0.4603, 0.4226

Protanopia

48.4138, 0.4120, 0.4504

Deuteranopia

48.3681, 0.4451, 0.4359



Tritanopia

48.2599, 0.3872, 0.3163

Trichromacy



Original Color

48.3259, 0.4603, 0.4226

Protanomaly

48.2671, 0.4289, 0.4410

Deuteranomaly

48.4423, 0.4506, 0.4308

Tritanomaly

48.1312, 0.4182, 0.3584

Monochromacy



Original Color

48.3259, 0.4603, 0.4226

Achromatopsia

46.2077, 0.3127, 0.3290

Achromatomaly

46.2648, 0.3665, 0.3720

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.3259, 0.4603, 0.4226 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(243, 170, 76)` looks like.

```
.text, #text, p{  
    color:rgb(243, 170, 76)  
}
```

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(243, 170, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 170, 76) }
```

Border

The CSS property to change the border of an element to Yxy 48.3259, 0.4603, 0.4226 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(243, 170, 76) }
```

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

```
.border{ border-color:rgb(243, 170, 76) }
```

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

Here you see how a box with a 4 pixel rgb(243, 170, 76) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 170, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 170, 76);  
box-shadow:4px 4px 4px 4px rgb(243, 170,  
76) }
```


Background

The CSS property to change the background color of an element to Yxy 48.3259, 0.4603, 0.4226 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 170, 76) }
```

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

```
.background{ background-color: rgb(243,  
170, 76) }
```

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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