

Converting Colors

$Y_{xy}(47.5260, 0.4600, 0.4186)$

Have a look what the booklet for
Yxy(47.5260, 0.4600, 0.4186)
contains.

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Color

Yxy(47.6245, 0.4601, 0.4184)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | F3A84F |
| RGB | 243, 168, 79 |
| RGB Percent | 95%, 66%, 31% |
| CMY | 0.0471, 0.3411, 0.6902 |
| CMYK | 0.00, 0.31, 0.67, 0.05 |
| HSL | 33°, 87%, 63% |
| HSV | 33°, 67%, 95% |
| XYZ | 52.3710, 47.6245, 13.8298 |
| YIQ | 180.2790, 73.2690, -11.7790 |

Conversions

Conversions Part 2

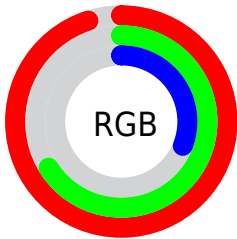
| Format | Color |
|-------------------------------------|---|
| RYB | 217, 243, 79 |
| Decimal | 15968335 |
| CIELab | 74.59, 19.45, 55.65 |
| CIELCh | 75, 58.950, 70.739 |
| Yxy | 47.6245, 0.4601, 0.4184 |
| Android (android.graphics.Color) | 4294158415 (0xFFFF3A84F) |
| YUV | 180.2790, -49.9305, 55.0063 |
| Hunter-Lab | 69.0105, 14.6925, 36.4256 |

Details

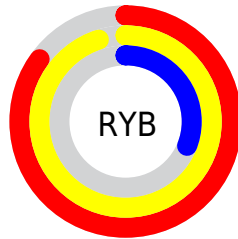
The Yxy color **47.6245, 0.4601, 0.4184** is a light color, and the websafe version is hex **CC9933**. The color can be described as light washed orange. A complement of this color would be **31.2329, 0.2045, 0.2064**, and the grayscale version is **46.0452, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.7013, 0.3985, 0.4202**, and **22.5061, 0.4933, 0.4318** is the 20% darker color. If you saturate the color by 10%, you get **43.4069, 0.4850, 0.4238**, and if you desaturate by 10%, it is **52.3265, 0.4342, 0.4089**.

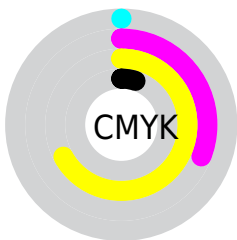
Distribution



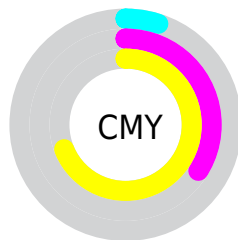
- Red (95%)
- Green (66%)
- Blue (31%)



- Red (85%)
- Yellow (95%)
- Blue (31%)



- Cyan (0%)
- Magenta (31%)
- Yellow (67%)
- Black (5%)



- Cyan (5%)
- Magenta (34%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.6245, 0.4601, 0.4184 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 47.6245, 0.4601, 0.4184 by changing the saturation by 10% instead.


 47.6245, 0.4601,
0.4184


 47.6245, 0.4601,
0.4184


377.3018, 0.3897,
0.3807

 33.5296, 0.4755,
0.4249


 86.6451, 0.4359,
0.4068


 22.5325, 0.4936,
0.4313


 112.3395, 0.4264,
0.4018

 14.2487, 0.5148,
0.4367


 142.6693, 0.4181,
0.3973

 8.2938, 0.5430,
0.4421

 178.0188, 0.4109,
0.3933

 4.2835, 0.5660,
0.4340

 218.7724, 0.4046,
0.3896

 1.8334, 0.5895,
0.4105

265.3145, 0.3991,

 0.5079, 0.6547,

0.3864

0.3453

318.0295, 0.3941,
0.3834

0.0000, 0.0000,
0.0000

47.6245, 0.4601,
0.4184

47.6245, 0.4601,
0.4184

43.4069, 0.4850,
0.4238

52.3265, 0.4342,
0.4089

39.6431, 0.5074,
0.4240

57.5268, 0.4087,
0.3965


36.3065, 0.5261,
0.4188

63.2470, 0.3845,
0.3825


35.5260, 0.5305,
0.4170

69.5050, 0.3623,
0.3678

76.3177, 0.3424,
0.3532

 83.7009, 0.3246,
0.3391

 91.6698, 0.3090,
0.3257

 97.7910, 0.3053,
0.3290

Harmonies

Analogous

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



47.6245, 0.4729, 0.3595



47.6245, 0.4601, 0.4184



47.6245, 0.4070, 0.4665

Triad

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



47.6245, 0.4601, 0.4184



47.6245, 0.2009, 0.3422



47.6245, 0.2754, 0.2186

Complementary

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



47.6245, 0.4601, 0.4184



31.2329, 0.2045, 0.2064

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.



47.6245, 0.2135, 0.2067



47.6245, 0.4601, 0.4184



47.6245, 0.1752, 0.2654

Square

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



47.6245, 0.4601, 0.4184



47.6245, 0.2572, 0.4292



47.6245, 0.1799, 0.2206



47.6245, 0.3574, 0.2522

Rectangle

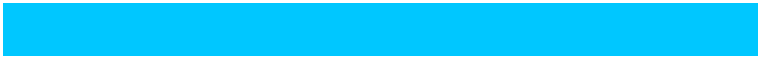
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



47.6245, 0.4601, 0.4184



47.6245, 0.3587, 0.4801



47.6245, 0.1799, 0.2206



47.6245, 0.2518, 0.2120

Sweetspot

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



47.6269, 0.4601, 0.4184



83.1555, 0.3473, 0.3569



27.0280, 0.4281, 0.2531



17.3363, 0.3528, 0.3610



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.



47.6269, 0.4601, 0.4184



46.8179, 0.4938, 0.4245



82.7464, 0.4008, 0.4837



17.9731, 0.3280, 0.3419



19.7748, 0.5282, 0.4188



1.9434, 0.5109, 0.4326

Inverse Universe

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



31.2329, 0.2045, 0.2064



27.4674, 0.1878, 0.1773



13.9691, 0.1844, 0.1136



17.1749, 0.2980, 0.3158



10.0644, 0.1733, 0.1437



1.0874, 0.1799, 0.1675

Previews

White Background



This preview shows how the Yxy color 47.6245, 0.4601, 0.4184 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 47.6245, 0.4601, 0.4184 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 47.6245, 0.4601, 0.4184

Background



This preview shows how black text looks on a background with the Yxy color 47.6245, 0.4601, 0.4184.



This preview shows how white text looks on a background with the Yxy color 47.6245, 0.4601, 0.4184.

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

47.6245, 0.4601, 0.4184

Protanopia

47.7584, 0.4090, 0.4476

Deuteranopia

47.6897, 0.4423, 0.4335



Tritanopia

47.4957, 0.3899, 0.3163

Trichromacy



Original Color

47.6245, 0.4601, 0.4184

Protanomaly

47.3554, 0.4277, 0.4369

Deuteranomaly

47.3787, 0.4487, 0.4274

Tritanomaly

47.4210, 0.4192, 0.3563

Monochromacy



Original Color

47.6245, 0.4601, 0.4184

Achromatopsia

45.6411, 0.3127, 0.3290

Achromatomaly

45.7303, 0.3659, 0.3710

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.6245, 0.4601, 0.4184 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, 168, 79)` looks like.

```
.text, #text, p{  
    color:rgb(243, 168, 79)  
}
```

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, 168, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 168, 79) }
```

Border

The CSS property to change the border of an element to Yxy 47.6245, 0.4601, 0.4184 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, 168, 79) }
```

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

```
.border{ border-color:rgb(243, 168, 79) }
```

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

Here you see how a box with a 4 pixel `rgb(243, 168, 79)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 168, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 168, 79);  
box-shadow:4px 4px 4px 4px rgb(243, 168,  
79) }
```


Background

The CSS property to change the background color of an element to Yxy 47.6245, 0.4601, 0.4184 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 168, 79) }
```

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

```
.background{ background-color: rgb(243,  
168, 79) }
```

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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