

Converting Colors

$Yxy(47.6481, 0.4647, 0.4482)$

Have a look what the booklet for
Yxy(47.6481, 0.4647, 0.4482)
contains.

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Color

Yxy(47.5848, 0.4649, 0.4479)

Conversions

Conversions Part 1

Format	Color
Hex	EAAD2F
RGB	234, 173, 47
RGB Percent	92%, 68%, 18%
CMY	0.0823, 0.3216, 0.8159
CMYK	0.00, 0.26, 0.80, 0.08
HSL	40°, 82%, 55%
HSV	40°, 80%, 92%
XYZ	49.3909, 47.5848, 9.2641
YIQ	176.8750, 76.8020, -26.2540

Conversions

Conversions Part 2

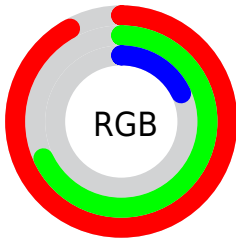
Format	Color
R _{YB}	138, 234, 47
Decimal	15379759
CIE Lab	74.56, 11.63, 68.18
CIE LCh	75, 69.161, 80.322
Yxy	47.5848, 0.4649, 0.4479
Android (android.graphics.Color)	4293569839 (0xFFEAD2F)
YUV	176.8750, -64.0284, 50.0986
Hunter-Lab	68.9817, 7.0878, 40.3247

Details

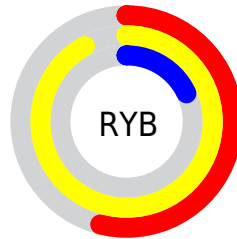
The Yxy color **47.5848, 0.4649, 0.4479** is a dark color, and the websafe version is hex **CC9900**. The color can be described as middle washed orange. A complement of this color would be **17.2594, 0.1801, 0.1454**, and the grayscale version is **44.2083, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.7261, 0.4124, 0.4487**, and **22.5590, 0.4842, 0.4538** is the 20% darker color. If you saturate the color by 10%, you get **44.6024, 0.4802, 0.4498**, and if you desaturate by 10%, it is **50.8402, 0.4467, 0.4410**.

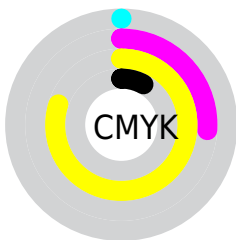
Distribution



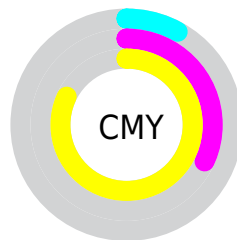
- Red (92%)
- Green (68%)
- Blue (18%)



- Red (54%)
- Yellow (92%)
- Blue (18%)



- Cyan (0%)
- Magenta (26%)
- Yellow (80%)
- Black (8%)





- Cyan (8%)
- Magenta (32%)
- Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.5848, 0.4649, 0.4479 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 47.5848, 0.4649, 0.4479 by changing the saturation by 10% instead.

 47.5848, 0.4649,
0.4479


 47.5848, 0.4649,
0.4479


377.1440, 0.3955,
0.3980

 33.4982, 0.4784,
0.4560


 86.5859, 0.4423,
0.4328

 22.5084, 0.4933,
0.4638


 112.2692, 0.4329,
0.4262

 14.2309, 0.5096,
0.4704


 142.5868, 0.4247,
0.4203

 8.2814, 0.5263,
0.4737

 177.9232, 0.4175,
0.4149

 4.2756, 0.5355,
0.4645

 218.6627, 0.4110,
0.4100

 1.8289, 0.5506,
0.4494

 265.1897, 0.4053,

 0.5051, 0.6020,

0.4056

0.3980

317.8887, 0.4001,
0.4016

■ 0.0000, 0.0000,
0.0000

■ 47.5848, 0.4649,
0.4479

■ 47.5848, 0.4649,
0.4479

■ 44.6024, 0.4802,
0.4498

■ 50.8402, 0.4467,
0.4410

■ 41.8591, 0.4926,
0.4471

■ 54.3784, 0.4266,
0.4297


■ 41.8436, 0.4926,
0.4470


■ 58.2163, 0.4056,
0.4152


■ 62.3670, 0.3847,
0.3986

■ 66.8424, 0.3646,
0.3810

 71.6534, 0.3457,
0.3631

 76.8104, 0.3284,
0.3456

 82.3231, 0.3126,
0.3289

 88.0352, 0.2999,
0.3157

Harmonies

Analogous

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



47.5848, 0.4998, 0.3813



47.5848, 0.4649, 0.4479



47.5848, 0.3922, 0.4992

Triad

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



47.5848, 0.4649, 0.4479



47.5848, 0.1709, 0.3102



47.5848, 0.2972, 0.2131

Complementary

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



47.5848, 0.4649, 0.4479



17.2594, 0.1801, 0.1454

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.



47.5848, 0.2176, 0.1914



47.5848, 0.4649, 0.4479



47.5848, 0.1546, 0.2332

Square

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



47.5848, 0.4649, 0.4479



47.5848, 0.2229, 0.4171



47.5848, 0.1703, 0.1962



47.5848, 0.3959, 0.2570

Rectangle

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



47.5848, 0.4649, 0.4479



47.5848, 0.3338, 0.5061



47.5848, 0.1703, 0.1962



47.5848, 0.2674, 0.2031

Sweetspot

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



47.5872, 0.4649, 0.4479



84.5857, 0.3534, 0.3706



20.6336, 0.5036, 0.2755



17.6599, 0.3602, 0.3770



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.



47.5872, 0.4649, 0.4479



52.0048, 0.4884, 0.4483



71.7317, 0.3897, 0.5127



16.7508, 0.3276, 0.3448



23.7494, 0.4912, 0.4482



2.0388, 0.4787, 0.4581

Inverse Universe

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



17.2594, 0.1801, 0.1454



14.6048, 0.1645, 0.1100



9.5943, 0.1772, 0.0894



15.3512, 0.2980, 0.3127



6.4711, 0.1629, 0.1063



0.6776, 0.1705, 0.1339

Previews

White Background



This preview shows how the Yxy color 47.5848, 0.4649, 0.4479 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 47.5848, 0.4649, 0.4479 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 47.5848, 0.4649, 0.4479

Background



This preview shows how black text looks on a background with the Yxy color 47.5848, 0.4649, 0.4479.



This preview shows how white text looks on a background with the Yxy color 47.5848, 0.4649, 0.4479.

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

47.5848, 0.4649, 0.4479

Protanopia

47.6331, 0.4285, 0.4728

Deuteranopia

47.4583, 0.4617, 0.4510



Tritanopia

47.4230, 0.3785, 0.3149

Trichromacy



Original Color

47.5848, 0.4649, 0.4479

Protanomaly

47.4632, 0.4416, 0.4638

Deuteranomaly

47.6252, 0.4626, 0.4504

Tritanomaly

46.8195, 0.4188, 0.3703

Monochromacy



Original Color

47.5848, 0.4649, 0.4479

Achromatopsia

43.9657, 0.3127, 0.3290

Achromatomaly

44.6681, 0.3726, 0.3884

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.5848, 0.4649, 0.4479 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(234, 173, 47)` looks like.

```
.text, #text, p{  
    color:rgb(234, 173, 47)  
}
```

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(234, 173, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 173, 47) }
```

Border

The CSS property to change the border of an element to Yxy 47.5848, 0.4649, 0.4479 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(234, 173, 47) }
```

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

```
.border{ border-color:rgb(234, 173, 47) }
```

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

Here you see how a box with a 4 pixel rgb(234, 173, 47) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 173, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 173, 47);  
box-shadow:4px 4px 4px 4px rgb(234, 173,  
47) }
```


Background

The CSS property to change the background color of an element to Yxy 47.5848, 0.4649, 0.4479 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 173, 47) }
```

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

```
.background{ background-color: rgb(234,  
173, 47) }
```

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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