

Converting Colors

$Y_{xy}(48.1301, 0.4649, 0.4539)$

Have a look what the booklet for
Yxy(48.1301, 0.4649, 0.4539)
contains.

Yxy(48.1301, 0.4649, 0.4539)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(48.1301, 0.4649, 0.4539)

Conversions

Conversions Part 1

Format	Color
Hex	E9AF27
RGB	233, 175, 39
RGB Percent	91%, 69%, 15%
CMY	0.0863, 0.3137, 0.8471
CMYK	0.00, 0.25, 0.83, 0.09
HSL	42°, 82%, 53%
HSV	42°, 83%, 91%
XYZ	49.2965, 48.1301, 8.6102
YIQ	176.8380, 78.2240, -30.0000

Conversions

Conversions Part 2

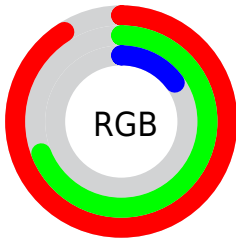
Format	Color
RYB	122, 233, 39
Decimal	15314727
CIELab	74.91, 9.89, 70.89
CIELCh	75, 71.577, 82.062
Yxy	48.1301, 0.4649, 0.4539
Android (android.graphics.Color)	4293504807 (0xFFE9AF27)
YUV	176.8380, -67.9541, 49.2541
Hunter-Lab	69.3759, 5.4292, 41.2047

Details

The Yxy color **48.1301, 0.4649, 0.4539** 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 **14.8561, 0.1745, 0.1308**, and the grayscale version is **44.2104, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.7355, 0.4136, 0.4539**, and **22.9366, 0.4801, 0.4570** is the 20% darker color. If you saturate the color by 10%, you get **45.3816, 0.4779, 0.4547**, and if you desaturate by 10%, it is **51.1178, 0.4488, 0.4481**.

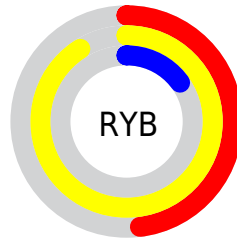
Distribution



Red (91%)

Green (69%)

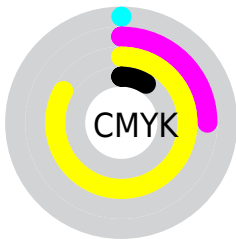
Blue (15%)



Red (48%)

Yellow (91%)

Blue (15%)

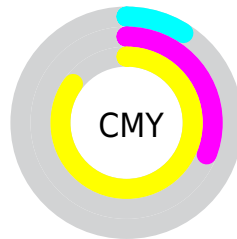


Cyan (0%)

Magenta (25%)

Yellow (83%)

Black (9%)



Cyan (9%)


Magenta (31%)


Yellow (85%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 48.1301, 0.4649, 0.4539 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 48.1301, 0.4649, 0.4539 by changing the saturation by 10% instead.


 48.1301, 0.4649,
0.4539

 48.1301, 0.4649,
0.4539


 379.3076, 0.3965,
0.4017

 33.9299, 0.4778,
0.4623


 87.3981, 0.4429,
0.4382


 22.8398, 0.4918,
0.4703


 113.2347, 0.4337,
0.4313


 14.4752, 0.5073,
0.4777


 143.7189, 0.4256,
0.4250

 8.4519, 0.5203,
0.4797

 179.2350, 0.4184,
0.4194

 4.3855, 0.5282,
0.4718

 220.1676, 0.4120,
0.4143

 1.8914, 0.5409,
0.4591

 266.9010, 0.4063,

 0.5432, 0.5824,

0.4097

0.4176

319.8195, 0.4011,
0.4055

■ 0.0000, 0.0000,
0.0000

■ 48.1301, 0.4649,
0.4539

■ 48.1301, 0.4649,
0.4539

■ 45.3816, 0.4779,
0.4547

■ 51.1178, 0.4488,
0.4481

■ 43.6437, 0.4852,
0.4529

■ 54.3547, 0.4303,
0.4377

■ 57.8574, 0.4105,
0.4236

■ 61.6389, 0.3903,
0.4071

■ 65.7104, 0.3704,
0.3891

70.0827, 0.3515,
0.3706

74.7656, 0.3338,
0.3523

79.7683, 0.3177,
0.3346

85.0996, 0.3030,
0.3178

Harmonies

Analogous

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



48.1301, 0.5044, 0.3856



48.1301, 0.4649, 0.4539



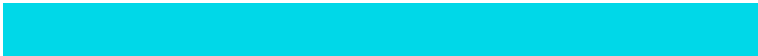
48.1301, 0.3885, 0.5059

Triad

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



48.1301, 0.4649, 0.4539



48.1301, 0.1653, 0.3034



48.1301, 0.3021, 0.2123

Complementary

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



48.1301, 0.4649, 0.4539



14.8561, 0.1745, 0.1308

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.



48.1301, 0.2189, 0.1887



48.1301, 0.4649, 0.4539



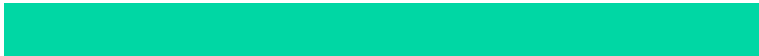
48.1301, 0.1509, 0.2270

Square

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



48.1301, 0.4649, 0.4539



48.1301, 0.2160, 0.4136



48.1301, 0.1688, 0.1917



48.1301, 0.4041, 0.2582

Rectangle

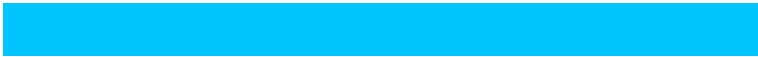
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



48.1301, 0.4649, 0.4539



48.1301, 0.3283, 0.5110



48.1301, 0.1688, 0.1917



48.1301, 0.2710, 0.2017

Sweetspot

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



48.1325, 0.4649, 0.4539



84.9945, 0.3549, 0.3740



19.6381, 0.5262, 0.2832



17.7829, 0.3616, 0.3806



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.



48.1325, 0.4649, 0.4539



53.4194, 0.4856, 0.4526



69.9088, 0.3854, 0.5202



16.8228, 0.3275, 0.3455



24.9948, 0.4840, 0.4539



2.1294, 0.4729, 0.4627

Inverse Universe

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



14.8561, 0.1745, 0.1308



12.4167, 0.1601, 0.0963



8.9438, 0.1762, 0.0849



15.2827, 0.2980, 0.3120



5.9862, 0.1610, 0.0997



0.6328, 0.1686, 0.1269

Previews

White Background



This preview shows how the Yxy color 48.1301, 0.4649, 0.4539 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 48.1301, 0.4649, 0.4539 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 48.1301, 0.4649, 0.4539

Background



This preview shows how black text looks on a background with the Yxy color 48.1301, 0.4649, 0.4539.



This preview shows how white text looks on a background with the Yxy color 48.1301, 0.4649, 0.4539.

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

48.1301, 0.4649, 0.4539

Protanopia

48.2750, 0.4324, 0.4768

Deuteranopia

48.1301, 0.4649, 0.4539



Tritanopia

47.9903, 0.3759, 0.3159

Trichromacy



Original Color

48.1301, 0.4649, 0.4539

Protanomaly

47.9596, 0.4445, 0.4681

Deuteranomaly

48.1301, 0.4649, 0.4539

Tritanomaly

47.3209, 0.4186, 0.3748

Monochromacy



Original Color

48.1301, 0.4649, 0.4539

Achromatopsia

43.9657, 0.3127, 0.3290

Achromatomaly

44.4533, 0.3742, 0.3925

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.1301, 0.4649, 0.4539 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(233, 175, 39)` looks like.

```
.text, #text, p{  
    color:rgb(233, 175, 39)  
}
```

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(233, 175, 39) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 175, 39) }
```

Border

The CSS property to change the border of an element to Yxy 48.1301, 0.4649, 0.4539 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(233, 175, 39) }
```

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

```
.border{ border-color:rgb(233, 175, 39) }
```

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

Here you see how a box with a 4 pixel rgb(233, 175, 39) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 175, 39); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 175, 39);  
box-shadow:4px 4px 4px 4px rgb(233, 175,  
39) }
```


Background

The CSS property to change the background color of an element to Yxy 48.1301, 0.4649, 0.4539 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 175, 39) }
```

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

```
.background{ background-color: rgb(233,  
175, 39) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor