

Converting Colors

$Yxy(48.9448, 0.4546, 0.4634)$

Have a look what the booklet for
Yxy(48.9448, 0.4546, 0.4634)
contains.

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Color

Yxy(48.9448, 0.4546, 0.4634)

Conversions

Conversions Part 1

Format	Color
Hex	E2B425
RGB	226, 180, 37
RGB Percent	89%, 71%, 15%
CMY	0.1138, 0.2941, 0.8552
CMYK	0.00, 0.20, 0.84, 0.11
HSL	45°, 77%, 52%
HSV	45°, 84%, 89%
XYZ	48.0153, 48.9448, 8.6609
YIQ	177.4520, 73.3190, -34.7210

Conversions

Conversions Part 2

Format	Color
R_{YB}	98, 226, 37
Decimal	14857253
CIE _{Lab}	75.42, 4.18, 71.60
CIE _{LCh}	75, 71.724, 86.662
Yxy	48.9448, 0.4546, 0.4634
Android (android.graphics.Color)	4293047333 (0xFFE2B425)
YUV	177.4520, -69.2428, 42.5766
Hunter-Lab	69.9606, 0.0771, 41.6325

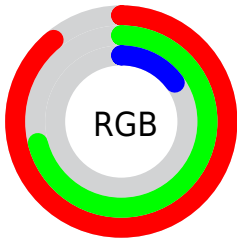
Details

The Yxy color **48.9448, 0.4546, 0.4634** is a light color, and the websafe version is hex **FFCC33**.

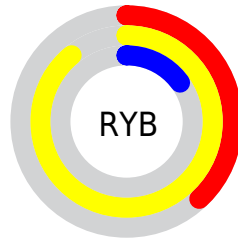
The color can be described as light washed orange. A complement of this color would be **12.0549, 0.1707, 0.1171**, and the grayscale version is **44.5568, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.5397, 0.4111, 0.4585**, and **23.5453, 0.4661, 0.4681** is the 20% darker color. If you saturate the color by 10%, you get **46.6713, 0.4653, 0.4652**, and if you desaturate by 10%, it is **51.3987, 0.4409, 0.4567**.

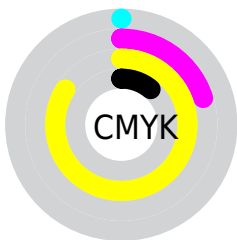
Distribution



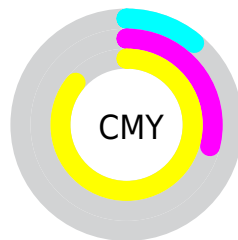
- Red (89%)
- Green (71%)
- Blue (15%)



- Red (38%)
- Yellow (89%)
- Blue (15%)



- Cyan (0%)
- Magenta (20%)
- Yellow (84%)
- Black (11%)





- Cyan (11%)
- Magenta (29%)
- Yellow (86%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.9448, 0.4546, 0.4634 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 48.9448, 0.4546, 0.4634 by changing the saturation by 10% instead.

 48.9448, 0.4546,
0.4634


 48.9448, 0.4546,
0.4634


382.5250, 0.3918,
0.4057

 34.5757, 0.4661,
0.4733


 88.6095, 0.4347,
0.4456


 23.3362, 0.4782,
0.4832


 114.6738, 0.4263,
0.4379

 14.8420, 0.4913,
0.4932


 145.4054, 0.4188,
0.4310

 8.7085, 0.5013,
0.4987

 181.1885, 0.4122,
0.4248

 4.5516, 0.5046,
0.4954

 222.4076, 0.4062,
0.4193

 1.9866, 0.5101,
0.4899

 269.4472, 0.4009,

 0.5997, 0.5284,

0.4143

0.4716

322.6915, 0.3961,
0.4098

■ 0.0000, 0.0000,
0.0000

■ 48.9448, 0.4546,
0.4634

■ 48.9448, 0.4546,
0.4634

■ 46.6713, 0.4653,
0.4652

■ 51.3987, 0.4409,
0.4567

■ 45.3039, 0.4708,
0.4644

■ 54.0409, 0.4248,
0.4456

■ 56.8863, 0.4070,
0.4307

■ 59.9460, 0.3883,
0.4132

■ 63.2299, 0.3696,
0.3941

■ 66.7468, 0.3514,
0.3744

■ 70.5053, 0.3342,
0.3548

■ 74.5131, 0.3182,
0.3357

■ 78.7776, 0.3036,
0.3177

Harmonies

Analogous

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



48.9448, 0.5012, 0.3961



48.9448, 0.4546, 0.4634



48.9448, 0.3749, 0.5093

Triad

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



48.9448, 0.4546, 0.4634



48.9448, 0.1613, 0.2891



48.9448, 0.3173, 0.2183

Complementary

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



48.9448, 0.4546, 0.4634



12.0549, 0.1707, 0.1171

Split Complementary

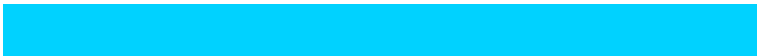
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



48.9448, 0.2298, 0.1911



48.9448, 0.4546, 0.4634



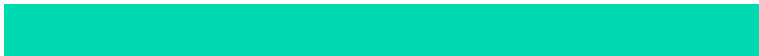
48.9448, 0.1521, 0.2195

Square

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



48.9448, 0.4546, 0.4634



48.9448, 0.2062, 0.3960



48.9448, 0.1747, 0.1898



48.9448, 0.4187, 0.2669

Rectangle

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



48.9448, 0.4546, 0.4634



48.9448, 0.3143, 0.5064



48.9448, 0.1747, 0.1898



48.9448, 0.2851, 0.2066

Sweetspot

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



48.9472, 0.4546, 0.4634



87.0571, 0.3541, 0.3774



18.1288, 0.5432, 0.2928



18.2796, 0.3605, 0.3844



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.



48.9472, 0.4546, 0.4634



59.3948, 0.4712, 0.4641



64.0693, 0.3781, 0.5260



15.4352, 0.3273, 0.3466



26.0437, 0.4698, 0.4652



1.9419, 0.4604, 0.4727

Inverse Universe

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



12.0549, 0.1707, 0.1171



10.6665, 0.1569, 0.0846



8.7032, 0.1816, 0.0875



13.7819, 0.2981, 0.3107



4.8450, 0.1578, 0.0880



0.4748, 0.1659, 0.1173

Previews

White Background



This preview shows how the Yxy color 48.9448, 0.4546, 0.4634 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 48.9448, 0.4546, 0.4634 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 48.9448, 0.4546, 0.4634

Background



This preview shows how black text looks on a background with the Yxy color 48.9448, 0.4546, 0.4634.



This preview shows how white text looks on a background with the Yxy color 48.9448, 0.4546, 0.4634.

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

48.9448, 0.4546, 0.4634

Protanopia

48.8196, 0.4333, 0.4784

Deuteranopia

48.6896, 0.4648, 0.4542



Tritanopia

48.9627, 0.3643, 0.3156

Trichromacy



Original Color

48.9448, 0.4546, 0.4634

Protanomaly

48.8680, 0.4408, 0.4733

Deuteranomaly

48.5731, 0.4615, 0.4573

Tritanomaly

48.2194, 0.4084, 0.3793

Monochromacy



Original Color

48.9448, 0.4546, 0.4634

Achromatopsia

43.9657, 0.3127, 0.3290

Achromatomaly

44.9492, 0.3723, 0.3966

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.9448, 0.4546, 0.4634 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(226, 180, 37)` looks like.

```
.text, #text, p{  
    color:rgb(226, 180, 37)  
}
```

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(226, 180, 37) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 180, 37) }
```

Border

The CSS property to change the border of an element to Yxy 48.9448, 0.4546, 0.4634 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(226, 180, 37) }
```

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

```
.border{ border-color:rgb(226, 180, 37) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 180, 37)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 180, 37); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 180, 37);  
box-shadow:4px 4px 4px 4px rgb(226, 180,  
37) }
```


Background

The CSS property to change the background color of an element to Yxy 48.9448, 0.4546, 0.4634 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 180, 37) }
```

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

```
.background{ background-color: rgb(226,  
180, 37) }
```

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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