

Converting Colors

$Yxy(48.6305, 0.4588, 0.4537)$

Have a look what the booklet for
Yxy(48.6305, 0.4588, 0.4537)
contains.

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Color

Yxy(48.6305, 0.4588, 0.4537)

Conversions

Conversions Part 1

Format	Color
Hex	E7B12E
RGB	231, 177, 46
RGB Percent	91%, 69%, 18%
CMY	0.0940, 0.3059, 0.8196
CMYK	0.00, 0.23, 0.80, 0.09
HSL	42°, 79%, 54%
HSV	42°, 80%, 91%
XYZ	49.1772, 48.6305, 9.3788
YIQ	178.2120, 74.2350, -29.2930

Conversions

Conversions Part 2

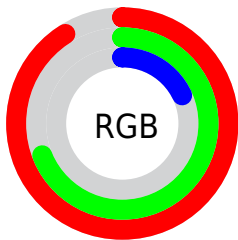
Format	Color
RYB	122, 231, 46
Decimal	15184174
CIELab	75.22, 8.21, 68.95
CIELCh	75, 69.437, 83.212
Yxy	48.6305, 0.4588, 0.4537
Android (android.graphics.Color)	4293374254 (0xFFE7B12E)
YUV	178.2120, -65.1805, 46.2951
Hunter-Lab	69.7356, 3.8400, 40.8409

Details

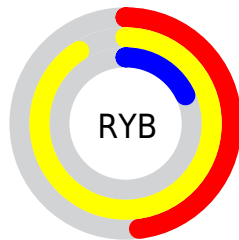
The Yxy color **48.6305, 0.4588, 0.4537** is a light color, and the websafe version is hex **CC9900**. The color can be described as light washed orange. A complement of this color would be **15.4726, 0.1778, 0.1368**, and the grayscale version is **44.9638, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.9525, 0.4100, 0.4519**, and **23.3252, 0.4761, 0.4602** is the 20% darker color. If you saturate the color by 10%, you get **45.8975, 0.4726, 0.4563**, and if you desaturate by 10%, it is **51.5980, 0.4421, 0.4462**.

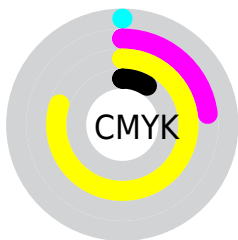
Distribution



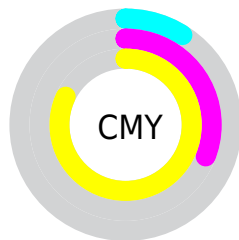
- Red (91%)
- Green (69%)
- Blue (18%)



- Red (48%)
- Yellow (91%)
- Blue (18%)



- Cyan (0%)
- Magenta (23%)
- Yellow (80%)
- Black (9%)





- Cyan (9%)
- Magenta (31%)
- Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.6305, 0.4588, 0.4537 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 48.6305, 0.4588, 0.4537 by changing the saturation by 10% instead.


 48.6305, 0.4588,
0.4537


 48.6305, 0.4588,
0.4537

381.2859, 0.3929,
0.4006


 34.3265, 0.4714,
0.4627


 88.1424, 0.4375,
0.4374

 23.1445, 0.4851,
0.4716


 114.1191, 0.4286,
0.4304

 14.7002, 0.4998,
0.4797


 144.7554, 0.4208,
0.4240

 8.6093, 0.5147,
0.4853

 180.4358, 0.4139,
0.4183

 4.4872, 0.5212,
0.4788

 221.5447, 0.4078,
0.4132

 1.9497, 0.5317,
0.4683

 268.4663, 0.4023,

 0.5780, 0.5647,

0.4086

0.4353

321.5853, 0.3973,
0.4044

■ 0.0000, 0.0000,
0.0000

■ 48.6305, 0.4588,
0.4537

■ 48.6305, 0.4588,
0.4537

■ 45.8975, 0.4726,
0.4563

■ 51.5980, 0.4421,
0.4462


■ 43.3878, 0.4834,
0.4544


■ 54.8084, 0.4234,
0.4344


■ 58.2775, 0.4036,
0.4193


■ 62.0172, 0.3836,
0.4021

■ 66.0383, 0.3641,
0.3837

 70.3509, 0.3457,
0.3650

 74.9641, 0.3285,
0.3467

 79.8869, 0.3128,
0.3292

 85.1275, 0.2987,
0.3126

Harmonies

Analogous

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



48.6305, 0.4982, 0.3877



48.6305, 0.4588, 0.4537



48.6305, 0.3839, 0.5015

Triad

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



48.6305, 0.4588, 0.4537



48.6305, 0.1683, 0.3012



48.6305, 0.3063, 0.2167

Complementary

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



48.6305, 0.4588, 0.4537



15.4726, 0.1778, 0.1368

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.



48.6305, 0.2242, 0.1928



48.6305, 0.4588, 0.4537



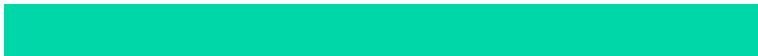
48.6305, 0.1552, 0.2283

Square

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



48.6305, 0.4588, 0.4537



48.6305, 0.2167, 0.4065



48.6305, 0.1738, 0.1948



48.6305, 0.4049, 0.2624

Rectangle

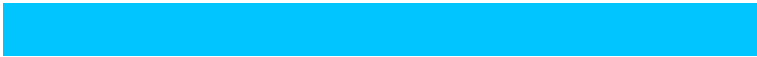
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



48.6305, 0.4588, 0.4537



48.6305, 0.3252, 0.5037



48.6305, 0.1738, 0.1948



48.6305, 0.2758, 0.2061

Sweetspot

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



48.6329, 0.4588, 0.4537



85.7885, 0.3530, 0.3726



19.8971, 0.5145, 0.2819



17.9510, 0.3596, 0.3793



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.



48.6329, 0.4588, 0.4537



55.3607, 0.4797, 0.4553



68.8372, 0.3850, 0.5163



16.0689, 0.3275, 0.3456



24.5415, 0.4821, 0.4554



1.9720, 0.4708, 0.4644

Inverse Universe

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



15.4726, 0.1778, 0.1368



13.2736, 0.1622, 0.1017



9.5642, 0.1807, 0.0911



14.5695, 0.2981, 0.3119



5.7018, 0.1606, 0.0983



0.5777, 0.1686, 0.1270

Previews

White Background



This preview shows how the Yxy color 48.6305, 0.4588, 0.4537 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 48.6305, 0.4588, 0.4537 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 48.6305, 0.4588, 0.4537

Background



This preview shows how black text looks on a background with the Yxy color 48.6305, 0.4588, 0.4537.



This preview shows how white text looks on a background with the Yxy color 48.6305, 0.4588, 0.4537.

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

48.6305, 0.4588, 0.4537

Protanopia

48.7411, 0.4293, 0.4745

Deuteranopia

48.5716, 0.4614, 0.4517



Tritanopia

48.4753, 0.3706, 0.3147

Trichromacy



Original Color

48.6305, 0.4588, 0.4537

Protanomaly

48.6711, 0.4396, 0.4675

Deuteranomaly

48.4037, 0.4606, 0.4522

Tritanomaly

47.8205, 0.4119, 0.3730

Monochromacy



Original Color

48.6305, 0.4588, 0.4537

Achromatopsia

44.5201, 0.3127, 0.3290

Achromatomaly

45.3228, 0.3708, 0.3910

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.6305, 0.4588, 0.4537 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(231, 177, 46)` looks like.

```
.text, #text, p{  
    color:rgb(231, 177, 46)  
}
```

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(231, 177, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 177, 46) }
```

Border

The CSS property to change the border of an element to Yxy 48.6305, 0.4588, 0.4537 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(231, 177, 46) }
```

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

```
.border{ border-color:rgb(231, 177, 46) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 177, 46)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 177, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 177, 46);  
box-shadow:4px 4px 4px 4px rgb(231, 177,  
46) }
```


Background

The CSS property to change the background color of an element to Yxy 48.6305, 0.4588, 0.4537 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 177, 46) }
```

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

```
.background{ background-color: rgb(231,  
177, 46) }
```

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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