

Converting Colors

$Y_{xy}(46.0195, 0.4834, 0.4543)$

Have a look what the booklet for
Yxy(46.0195, 0.4834, 0.4543)
contains.

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Color

Yxy(46.0098, 0.4833, 0.4545)

Conversions

Conversions Part 1

Format	Color
Hex	EDA800
RGB	237, 168, 0
RGB Percent	93%, 66%, 0%
CMY	0.0706, 0.3411, 1.0000
CMYK	0.00, 0.29, 1.00, 0.07
HSL	43°, 100%, 46%
HSV	43°, 100%, 93%
XYZ	48.9253, 46.0098, 6.2966
YIQ	169.4790, 95.0520, -37.6200

Conversions

Conversions Part 2

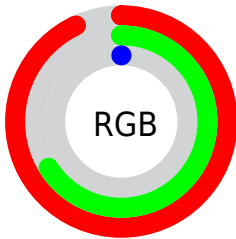
Format	Color
R _Y B	97, 237, 0
Decimal	15575040
CIE Lab	73.55, 14.71, 77.06
CIE LCh	74, 78.451, 79.189
Yxy	46.0098, 0.4833, 0.4545
Android (android.graphics.Color)	4293765120 (0xFFEDA800)
YUV	169.4790, -83.5531, 59.2159
Hunter-Lab	67.8305, 10.0463, 41.9776

Details

The Yxy color **46.0098, 0.4833, 0.4545** 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 **10.3680, 0.1598, 0.0951**, and the grayscale version is **40.3154, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.5999, 0.4267, 0.4611**, and **21.6047, 0.4939, 0.4460** is the 20% darker color. If you saturate the color by 10%, you get **46.0125, 0.4833, 0.4545**, and if you desaturate by 10%, it is **48.6925, 0.4724, 0.4564**.

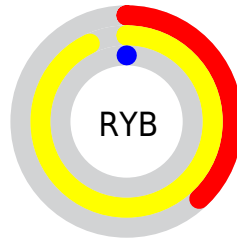
Distribution



Red (93%)

Green (66%)

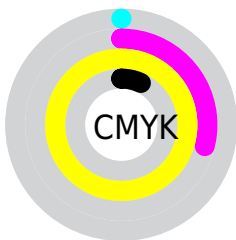
Blue (0%)



Red (38%)

Yellow (93%)

Blue (0%)

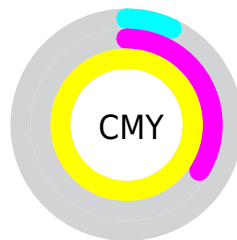


Cyan (0%)

Magenta (29%)

Yellow (100%)

Black (7%)



Cyan (7%)


Magenta (34%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.0098, 0.4833, 0.4545 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 46.0098, 0.4833, 0.4545 by changing the saturation by 10% instead.


 46.0098, 0.4833,
0.4545


 46.0098, 0.4833,
0.4545


370.8480, 0.4077,
0.4053


 32.2536, 0.4969,
0.4609


 84.2337, 0.4595,
0.4409


 21.5552, 0.5111,
0.4657


 109.4701, 0.4494,
0.4345


 13.5305, 0.5291,
0.4709


 139.3020, 0.4404,
0.4285

 7.7948, 0.5372,
0.4628

 174.1138, 0.4323,
0.4230

 3.9639, 0.5492,
0.4508

 214.2899, 0.4251,
0.4180

 1.6534, 0.5689,
0.4311

 260.2148, 0.4187,

 0.3932, 0.6508,

0.4134

0.3492

312.2727, 0.4129,
0.4092

■ 0.0000, 0.0000,
0.0000

■ 46.0098, 0.4833,
0.4545

■ 46.0098, 0.4833,
0.4545

■ 46.0125, 0.4833,
0.4545

■ 48.6925, 0.4724,
0.4564

■ 51.5887, 0.4587,
0.4539

■ 54.7280, 0.4420,
0.4464

■ 58.1271, 0.4233,
0.4345

■ 61.8000, 0.4035,
0.4194

■ 65.7596, 0.3835,
0.4021

■ 70.0173, 0.3640,
0.3837

■ 74.5836, 0.3455,
0.3650

■ 79.4686, 0.3284,
0.3466

Harmonies

Analogous

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



46.0098, 0.5243, 0.3794



46.0098, 0.4833, 0.4545



46.0098, 0.4011, 0.5193

Triad

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



46.0098, 0.4833, 0.4545



46.0098, 0.1552, 0.3094



46.0098, 0.2901, 0.1987

Complementary

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



46.0098, 0.4833, 0.4545



10.3680, 0.1598, 0.0951

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.



46.0098, 0.2031, 0.1760



46.0098, 0.4833, 0.4545



46.0098, 0.1374, 0.2217

Square

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



46.0098, 0.4833, 0.4545



46.0098, 0.2125, 0.4360



46.0098, 0.1534, 0.1814



46.0098, 0.4030, 0.2456

Rectangle

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



46.0098, 0.4833, 0.4545



46.0098, 0.3362, 0.5342



46.0098, 0.1534, 0.1814



46.0098, 0.2570, 0.1882

Sweetspot

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



46.0125, 0.4833, 0.4545



82.6212, 0.3642, 0.3839



18.4595, 0.5801, 0.2970



17.2198, 0.3724, 0.3918



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.



46.0125, 0.4833, 0.4545



54.2169, 0.4836, 0.4542



71.4592, 0.3838, 0.5334



16.8433, 0.3275, 0.3456



25.3600, 0.4820, 0.4555



2.1557, 0.4712, 0.4640

Inverse Universe

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



10.3680, 0.1598, 0.0951



12.1474, 0.1596, 0.0945



6.7279, 0.1588, 0.0648



15.2632, 0.2980, 0.3118



5.8571, 0.1605, 0.0979



0.6206, 0.1681, 0.1250

Previews

White Background



This preview shows how the Yxy color 46.0098, 0.4833, 0.4545 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 46.0098, 0.4833, 0.4545 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 46.0098, 0.4833, 0.4545

Background



This preview shows how black text looks on a background with the Yxy color 46.0098, 0.4833, 0.4545.



This preview shows how white text looks on a background with the Yxy color 46.0098, 0.4833, 0.4545.

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

46.0098, 0.4833, 0.4545

Protanopia

46.3250, 0.4382, 0.4866

Deuteranopia

46.1631, 0.4723, 0.4632



Tritanopia

46.0166, 0.3889, 0.3161

Trichromacy



Original Color

46.0098, 0.4833, 0.4545

Protanomaly

46.0629, 0.4546, 0.4750

Deuteranomaly

46.2816, 0.4759, 0.4604

Tritanomaly

45.0804, 0.4439, 0.3860

Monochromacy



Original Color

46.0098, 0.4833, 0.4545

Achromatopsia

39.6755, 0.3127, 0.3290

Achromatomaly

40.9280, 0.3911, 0.4089

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.0098, 0.4833, 0.4545 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(237, 168, 0)` looks like.

```
.text, #text, p{  
    color:rgb(237, 168, 0)  
}
```

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(237, 168, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 168, 0) }
```

Border

The CSS property to change the border of an element to Yxy 46.0098, 0.4833, 0.4545 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(237, 168, 0) }
```

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

```
.border{ border-color:rgb(237, 168, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 168, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 168, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 168, 0);  
box-shadow:4px 4px 4px 4px rgb(237, 168,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 46.0098, 0.4833, 0.4545 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 168, 0) }
```

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

```
.background{ background-color: rgb(237,  
168, 0) }
```

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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