

Converting Colors

$Y_{xy}(45.9545, 0.4777, 0.4441)$

Have a look what the booklet for
Yxy(45.9545, 0.4777, 0.4441)
contains.

Yxy(45.9545, 0.4777, 0.4441)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(45.9545, 0.4777, 0.4441)

Conversions

Conversions Part 1

Format	Color
Hex	EEA726
RGB	238, 167, 38
RGB Percent	93%, 65%, 15%
CMY	0.0666, 0.3451, 0.8513
CMYK	0.00, 0.30, 0.84, 0.07
HSL	39°, 85%, 54%
HSV	39°, 84%, 93%
XYZ	49.4314, 45.9545, 8.0920
YIQ	173.5230, 83.7250, -25.0670

Conversions

Conversions Part 2

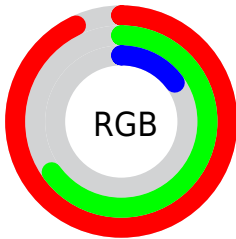
Format	Color
RYB	148, 238, 38
Decimal	15640358
CIELab	73.52, 16.25, 70.25
CIELCh	74, 72.105, 76.979
Yxy	45.9545, 0.4777, 0.4441
Android (android.graphics.Color)	4293830438 (0xFFEEA726)
YUV	173.5230, -66.8128, 56.5463
Hunter-Lab	67.7897, 11.5277, 40.3755

Details

The Yxy color **45.9545, 0.4777, 0.4441** 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 **17.5096, 0.1773, 0.1431**, and the grayscale version is **42.3845, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.3471, 0.4196, 0.4490**, and **21.6086, 0.4976, 0.4431** is the 20% darker color. If you saturate the color by 10%, you get **42.8546, 0.4929, 0.4432**, and if you desaturate by 10%, it is **49.3592, 0.4593, 0.4398**.

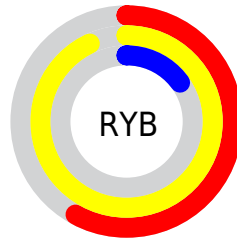
Distribution



Red (93%)

Green (65%)

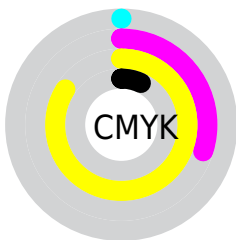
Blue (15%)



Red (58%)

Yellow (93%)

Blue (15%)

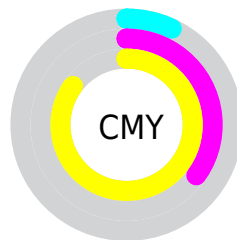


Cyan (0%)

Magenta (30%)

Yellow (84%)

Black (7%)



Cyan (7%)


Magenta (35%)

Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.9545, 0.4777, 0.4441 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 45.9545, 0.4777, 0.4441 by changing the saturation by 10% instead.


 45.9545, 0.4777,
0.4441


 45.9545, 0.4777,
0.4441


370.6257, 0.4023,
0.3977

 32.2099, 0.4923,
0.4508


 84.1509, 0.4531,
0.4307


 21.5219, 0.5083,
0.4565


 109.3715, 0.4430,
0.4246


 13.5060, 0.5272,
0.4614


 139.1862, 0.4341,
0.4190

 7.7779, 0.5422,
0.4578

 173.9795, 0.4262,
0.4139

 3.9532, 0.5554,
0.4446

 214.1357, 0.4192,
0.4093

 1.6474, 0.5768,
0.4232

 260.0392, 0.4129,

 0.3892, 0.6632,

0.4050

0.3368

312.0744, 0.4073,
0.4012

■ 0.0000, 0.0000,
0.0000

■ 45.9545, 0.4777,
0.4441

■ 45.9545, 0.4777,
0.4441

■ 42.8546, 0.4929,
0.4432

■ 49.3592, 0.4593,
0.4398

■ 41.1391, 0.5007,
0.4406

■ 53.0817, 0.4386,
0.4308

■ 57.1412, 0.4167,
0.4180

■ 61.5527, 0.3948,
0.4027

■ 66.3298, 0.3737,
0.3860

■ 71.4852, 0.3538,
0.3688

■ 77.0306, 0.3355,
0.3518

■ 82.9771, 0.3190,
0.3354

■ 89.3353, 0.3041,
0.3199

Harmonies

Analogous

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



45.9545, 0.5096, 0.3741



45.9545, 0.4777, 0.4441



45.9545, 0.4041, 0.5031

Triad

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



45.9545, 0.4777, 0.4441



45.9545, 0.1685, 0.3200



45.9545, 0.2853, 0.2044

Complementary

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



45.9545, 0.4777, 0.4441



17.5096, 0.1773, 0.1431

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.



45.9545, 0.2060, 0.1848



45.9545, 0.4777, 0.4441



45.9545, 0.1482, 0.2347

Square

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



45.9545, 0.4777, 0.4441



45.9545, 0.2261, 0.4348



45.9545, 0.1609, 0.1927



45.9545, 0.3886, 0.2475

Rectangle

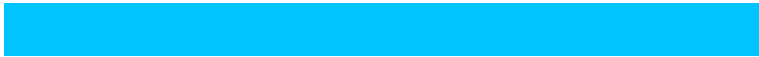
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



45.9545, 0.4777, 0.4441



45.9545, 0.3439, 0.5174



45.9545, 0.1609, 0.1927



45.9545, 0.2551, 0.1950

Sweetspot

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



45.9568, 0.4777, 0.4441



82.9566, 0.3558, 0.3706



20.7155, 0.5069, 0.2703



17.2936, 0.3627, 0.3767



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.



45.9568, 0.4777, 0.4441



47.9888, 0.5011, 0.4404



75.1958, 0.3955, 0.5137



17.4601, 0.3277, 0.3442



23.2011, 0.4991, 0.4419



2.1169, 0.4858, 0.4524

Inverse Universe

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



17.5096, 0.1773, 0.1431



14.6176, 0.1640, 0.1102



8.6660, 0.1684, 0.0798



16.1467, 0.2980, 0.3133



7.2433, 0.1649, 0.1137



0.7837, 0.1722, 0.1399

Previews

White Background



This preview shows how the Yxy color 45.9545, 0.4777, 0.4441 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 45.9545, 0.4777, 0.4441 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 45.9545, 0.4777, 0.4441

Background



This preview shows how black text looks on a background with the Yxy color 45.9545, 0.4777, 0.4441.



This preview shows how white text looks on a background with the Yxy color 45.9545, 0.4777, 0.4441.

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

45.9545, 0.4777, 0.4441

Protanopia

45.9114, 0.4315, 0.4765

Deuteranopia

46.1204, 0.4650, 0.4558



Tritanopia

45.9794, 0.3899, 0.3172

Trichromacy



Original Color

45.9545, 0.4777, 0.4441

Protanomaly

45.8097, 0.4484, 0.4643

Deuteranomaly

46.0326, 0.4702, 0.4512

Tritanomaly

45.3749, 0.4320, 0.3728

Monochromacy



Original Color

45.9545, 0.4777, 0.4441

Achromatopsia

42.3268, 0.3127, 0.3290

Achromatomaly

42.4768, 0.3781, 0.3890

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.9545, 0.4777, 0.4441 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(238, 167, 38)` looks like.

```
.text, #text, p{  
    color:rgb(238, 167, 38)  
}
```

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(238, 167, 38) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 167, 38) }
```

Border

The CSS property to change the border of an element to Yxy 45.9545, 0.4777, 0.4441 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(238, 167, 38) }
```

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

```
.border{ border-color:rgb(238, 167, 38) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 167, 38)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 167, 38); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 167, 38);  
box-shadow:4px 4px 4px 4px rgb(238, 167,  
38) }
```


Background

The CSS property to change the background color of an element to Yxy 45.9545, 0.4777, 0.4441 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 167, 38) }
```

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

```
.background{ background-color: rgb(238,  
167, 38) }
```

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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