

Converting Colors

$Y_{xy}(44.4288, 0.4764, 0.4437)$

Have a look what the booklet for
Yxy(44.4288, 0.4764, 0.4437)
contains.

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Color

Yxy(44.5492, 0.4761, 0.4441)

Conversions

Conversions Part 1

Format	Color
Hex	EAA527
RGB	234, 165, 39
RGB Percent	92%, 65%, 15%
CMY	0.0823, 0.3530, 0.8469
CMYK	0.00, 0.29, 0.83, 0.08
HSL	39°, 82%, 54%
HSV	39°, 83%, 92%
XYZ	47.7592, 44.5492, 8.0050
YIQ	171.2670, 81.5700, -24.5580

Conversions

Conversions Part 2

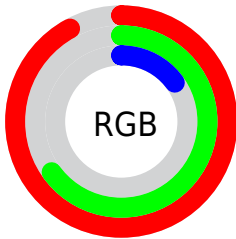
Format	Color
RYB	146, 234, 39
Decimal	15377703
CIELab	72.59, 15.63, 68.96
CIELCh	73, 70.714, 77.227
Yxy	44.5492, 0.4761, 0.4441
Android (android.graphics.Color)	4293567783 (0xFFEAA527)
YUV	171.2670, -65.2076, 55.0168
Hunter-Lab	66.7452, 10.9208, 39.6107

Details

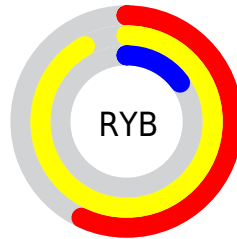
The Yxy color **44.5492, 0.4761, 0.4441** is a dark color, and the websafe version is hex **CC9900**. The color can be described as middle washed orange. A complement of this color would be **17.1155, 0.1782, 0.1448**, and the grayscale version is **41.1740, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.3095, 0.4204, 0.4467**, and **20.6945, 0.4965, 0.4440** is the 20% darker color. If you saturate the color by 10%, you get **41.5484, 0.4916, 0.4436**, and if you desaturate by 10%, it is **47.8437, 0.4575, 0.4394**.

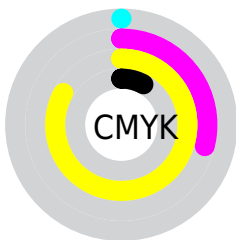
Distribution



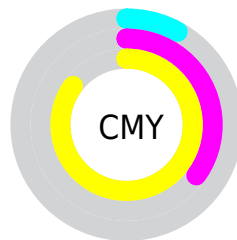
- Red (92%)
- Green (65%)
- Blue (15%)



- Red (57%)
- Yellow (92%)
- Blue (15%)



- Cyan (0%)
- Magenta (29%)
- Yellow (83%)
- Black (8%)



- Cyan (8%)
- Magenta (35%)
- Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 44.5492, 0.4761, 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 44.5492, 0.4761, 0.4441 by changing the saturation by 10% instead.

 44.5492, 0.4761,
0.4441


 44.5492, 0.4761,
0.4441


364.9447, 0.4009,
0.3971

 31.1025, 0.4908,
0.4510


 82.0435, 0.4515,
0.4304

 20.6769, 0.5070,
0.4570


 106.8599, 0.4413,
0.4242


 12.8880, 0.5263,
0.4624


 136.2350, 0.4324,
0.4185

 7.3515, 0.5412,
0.4588

 170.5532, 0.4246,
0.4134

 3.6829, 0.5545,
0.4455

 210.1989, 0.4176,
0.4087

 1.4978, 0.5763,
0.4237

 255.5564, 0.4114,

 0.2872, 0.6951,

0.4045

0.3049

307.0102, 0.4059,
0.4006

0.0000, 0.0000,
0.0000

44.5492, 0.4761,
0.4441

44.5492, 0.4761,
0.4441

41.5484, 0.4916,
0.4436

47.8437, 0.4575,
0.4394


39.6841, 0.5003,
0.4409

51.4439, 0.4367,
0.4300

55.3681, 0.4149,
0.4170


59.6305, 0.3931,
0.4015

64.2442, 0.3720,
0.3848

 69.2211, 0.3523,
0.3676

 74.5724, 0.3342,
0.3506

 80.3088, 0.3178,
0.3342

 86.4402, 0.3031,
0.3188

Harmonies

Analogous

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



44.5492, 0.5080, 0.3746



44.5492, 0.4761, 0.4441



44.5492, 0.4030, 0.5021

Triad

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



44.5492, 0.4761, 0.4441



44.5492, 0.1693, 0.3194



44.5492, 0.2863, 0.2055

Complementary

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



44.5492, 0.4761, 0.4441



17.1155, 0.1782, 0.1448

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.



44.5492, 0.2073, 0.1858



44.5492, 0.4761, 0.4441



44.5492, 0.1493, 0.2351

Square

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



44.5492, 0.4761, 0.4441



44.5492, 0.2263, 0.4328



44.5492, 0.1622, 0.1935



44.5492, 0.3888, 0.2486

Rectangle

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



44.5492, 0.4761, 0.4441



44.5492, 0.3431, 0.5156



44.5492, 0.1622, 0.1935



44.5492, 0.2564, 0.1961

Sweetspot

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



44.5514, 0.4761, 0.4441



82.9883, 0.3557, 0.3707



20.0881, 0.5041, 0.2700



17.3012, 0.3626, 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.



44.5514, 0.4761, 0.4441



48.0696, 0.5008, 0.4406



72.4187, 0.3953, 0.5129



16.6775, 0.3277, 0.3442



22.5411, 0.4987, 0.4422



1.9500, 0.4849, 0.4532

Inverse Universe

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



17.1155, 0.1782, 0.1448



14.5795, 0.1639, 0.1100



8.5215, 0.1694, 0.0813



15.4215, 0.2980, 0.3134



7.0161, 0.1649, 0.1136



0.7265, 0.1726, 0.1413

Previews

White Background



This preview shows how the Yxy color 44.5492, 0.4761, 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 44.5492, 0.4761, 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 44.5492, 0.4761, 0.4441

Background



This preview shows how black text looks on a background with the Yxy color 44.5492, 0.4761, 0.4441.



This preview shows how white text looks on a background with the Yxy color 44.5492, 0.4761, 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

44.5492, 0.4761, 0.4441

Protanopia

44.8321, 0.4311, 0.4756

Deuteranopia

44.5171, 0.4649, 0.4541



Tritanopia

44.5286, 0.3889, 0.3170

Trichromacy



Original Color

44.5492, 0.4761, 0.4441

Protanomaly

44.5854, 0.4473, 0.4639

Deuteranomaly

44.6392, 0.4682, 0.4509

Tritanomaly

43.9628, 0.4305, 0.3724

Monochromacy



Original Color

44.5492, 0.4761, 0.4441

Achromatopsia

40.7240, 0.3127, 0.3290

Achromatomaly

41.2753, 0.3779, 0.3898

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.5492, 0.4761, 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(234, 165, 39)` looks like.

```
.text, #text, p{  
    color:rgb(234, 165, 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(234, 165, 39) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 165, 39) }
```

Border

The CSS property to change the border of an element to Yxy 44.5492, 0.4761, 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(234, 165, 39) }
```

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

```
.border{ border-color:rgb(234, 165, 39) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 165, 39)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 165, 39); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 165, 39);  
box-shadow:4px 4px 4px 4px rgb(234, 165,  
39) }
```


Background

The CSS property to change the background color of an element to Yxy 44.5492, 0.4761, 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(234, 165, 39) }
```

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

```
.background{ background-color: rgb(234,  
165, 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](#).

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