

Converting Colors

$Y_{xy}(45.3445, 0.4640, 0.4255)$

Have a look what the booklet for
Yxy(45.3445, 0.4640, 0.4255)
contains.

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Color

Yxy(45.3445, 0.4640, 0.4255)

Conversions

Conversions Part 1

Format	Color
Hex	EDA545
RGB	237, 165, 69
RGB Percent	93%, 65%, 27%
CMY	0.0707, 0.3529, 0.7294
CMYK	0.00, 0.30, 0.71, 0.07
HSL	34°, 82%, 60%
HSV	34°, 71%, 93%
XYZ	49.4474, 45.3445, 11.7757
YIQ	175.5840, 73.7280, -14.5920

Conversions

Conversions Part 2

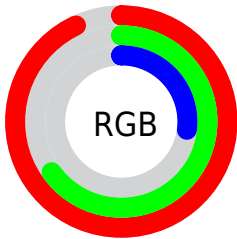
Format	Color
R_{YB}	195, 237, 69
Decimal	15574341
CIE _{Lab}	73.12, 18.00, 58.36
CIE _{LCh}	73, 61.078, 72.855
Yxy	45.3445, 0.4640, 0.4255
Android (android.graphics.Color)	4293764421 (0xFFEDA545)
YUV	175.5840, -52.5459, 53.8618
Hunter-Lab	67.3383, 13.2327, 36.7686

Details

The Yxy color **45.3445, 0.4640, 0.4255** is a light color, and the websafe version is hex **CC9933**. The color can be described as light muted orange. A complement of this color would be **26.4129, 0.1983, 0.1922**, and the grayscale version is **43.4390, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.8515, 0.4063, 0.4265**, and **21.0579, 0.4975, 0.4392** is the 20% darker color. If you saturate the color by 10%, you get **41.5906, 0.4868, 0.4299**, and if you desaturate by 10%, it is **49.5110, 0.4396, 0.4166**.

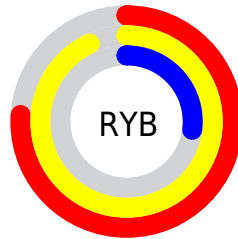
Distribution



Red (93%)

Green (65%)

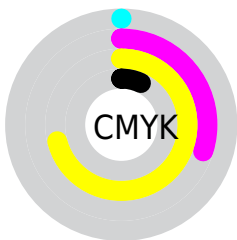
Blue (27%)



Red (76%)

Yellow (93%)

Blue (27%)

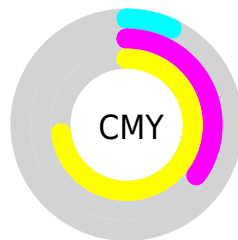


Cyan (0%)

Magenta (30%)

Yellow (71%)

Black (7%)



Cyan (7%)

Magenta (35%)

Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.3445, 0.4640, 0.4255 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 45.3445, 0.4640, 0.4255 by changing the saturation by 10% instead.


 45.3445, 0.4640,
0.4255


 45.3445, 0.4640,
0.4255


368.1670, 0.3918,
0.3847

 31.7289, 0.4795,
0.4323


 83.2371, 0.4394,
0.4130

 21.1545, 0.4975,
0.4390


 108.2829, 0.4296,
0.4076


 13.2370, 0.5181,
0.4441


 137.9075, 0.4211,
0.4027

 7.5919, 0.5484,
0.4516

 172.4954, 0.4138,
0.3983

 3.8350, 0.5631,
0.4369

 212.4309, 0.4073,
0.3944

 1.5817, 0.5869,
0.4131

258.0984, 0.4015,

 0.3452, 0.6898,

0.3908

0.3102

309.8823, 0.3964,
0.3876

■ 0.0000, 0.0000,
0.0000

■ 45.3445, 0.4640,
0.4255

■ 45.3445, 0.4640,
0.4255

■ 41.5906, 0.4868,
0.4299

■ 49.5110, 0.4396,
0.4166

■ 38.2210, 0.5066,
0.4290

■ 54.1023, 0.4149,
0.4044


■ 35.4575, 0.5218,
0.4239


■ 59.1378, 0.3911,
0.3902


■ 64.6335, 0.3689,
0.3750

■ 70.6040, 0.3485,
0.3596

 77.0634, 0.3303,
0.3446

 84.0248, 0.3141,
0.3302

 91.2684, 0.3018,
0.3203

 96.7396, 0.3017,
0.3290

Harmonies

Analogous

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



45.3445, 0.4818, 0.3642



45.3445, 0.4640, 0.4255



45.3445, 0.4056, 0.4755

Triad

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



45.3445, 0.4640, 0.4255



45.3445, 0.1926, 0.3359



45.3445, 0.2788, 0.2156

Complementary

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



45.3445, 0.4640, 0.4255



26.4129, 0.1983, 0.1922

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.



45.3445, 0.2125, 0.2015



45.3445, 0.4640, 0.4255



45.3445, 0.1686, 0.2572

Square

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



45.3445, 0.4640, 0.4255



45.3445, 0.2489, 0.4294



45.3445, 0.1757, 0.2135



45.3445, 0.3659, 0.2518

Rectangle

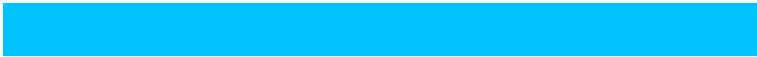
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



45.3445, 0.4640, 0.4255



45.3445, 0.3543, 0.4886



45.3445, 0.1757, 0.2135



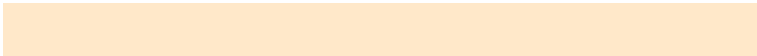
45.3445, 0.2537, 0.2082

Sweetspot

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



45.3468, 0.4640, 0.4255



83.2463, 0.3489, 0.3599



24.2023, 0.4455, 0.2572



17.3881, 0.3544, 0.3642



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.



45.3468, 0.4640, 0.4255



47.2969, 0.4961, 0.4302



77.1136, 0.3991, 0.4913



16.4836, 0.3279, 0.3425



19.6295, 0.5196, 0.4256



1.7317, 0.5020, 0.4396

Inverse Universe

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



26.4129, 0.1983, 0.1922



23.8950, 0.1815, 0.1607



12.0829, 0.1816, 0.1058



15.6099, 0.2980, 0.3152



8.7237, 0.1709, 0.1350



0.8725, 0.1783, 0.1620

Previews

White Background



This preview shows how the Yxy color 45.3445, 0.4640, 0.4255 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 45.3445, 0.4640, 0.4255 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 45.3445, 0.4640, 0.4255

Background



This preview shows how black text looks on a background with the Yxy color 45.3445, 0.4640, 0.4255.



This preview shows how white text looks on a background with the Yxy color 45.3445, 0.4640, 0.4255.

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

45.3445, 0.4640, 0.4255

Protanopia

45.4029, 0.4150, 0.4557

Deuteranopia

45.3784, 0.4483, 0.4392



Tritanopia

45.2874, 0.3884, 0.3160

Trichromacy



Original Color

45.3445, 0.4640, 0.4255

Protanomaly

45.2740, 0.4318, 0.4449

Deuteranomaly

45.4513, 0.4540, 0.4340

Tritanomaly

45.1357, 0.4211, 0.3602

Monochromacy



Original Color

45.3445, 0.4640, 0.4255

Achromatopsia

43.4154, 0.3127, 0.3290

Achromatomaly

43.3170, 0.3680, 0.3745

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.3445, 0.4640, 0.4255 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, 165, 69)` looks like.

```
.text, #text, p{  
    color:rgb(237, 165, 69)  
}
```

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, 165, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 165, 69) }
```

Border

The CSS property to change the border of an element to Yxy 45.3445, 0.4640, 0.4255 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, 165, 69) }
```

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

```
.border{ border-color:rgb(237, 165, 69) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 165, 69)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 165, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 165, 69);  
box-shadow:4px 4px 4px 4px rgb(237, 165,  
69) }
```


Background

The CSS property to change the background color of an element to Yxy 45.3445, 0.4640, 0.4255 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 165, 69) }
```

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

```
.background{ background-color: rgb(237,  
165, 69) }
```

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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