

# Converting Colors

$Yxy(44.6007, 0.4656, 0.4235)$

Have a look what the booklet for  
Yxy(44.6007, 0.4656, 0.4235)  
contains.

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# Color

**Yxy(44.6286, 0.4659, 0.4235)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EDA345
RGB	237, 163, 69
RGB Percent	93%, 64%, 27%
CMY	0.0706, 0.3608, 0.7294
CMYK	0.00, 0.31, 0.71, 0.07
HSL	34°, 82%, 60%
HSV	34°, 71%, 93%
XYZ	49.0967, 44.6286, 11.6551
YIQ	174.4100, 74.2780, -13.5460

# Conversions

## Conversions Part 2

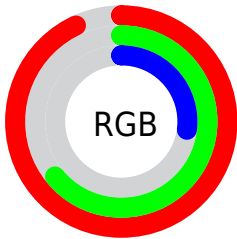
Format	Color
R <sub>Y</sub> B	201, 237, 69
Decimal	15573829
CIE Lab	72.65, 19.08, 57.88
CIE LCh	73, 60.943, 71.751
Yxy	44.6286, 0.4659, 0.4235
Android (android.graphics.Color)	4293763909 (0xFFEDA345)
YUV	174.4100, -51.9671, 54.8914
Hunter-Lab	66.8046, 14.2769, 36.4192

# Details

The Yxy color **44.6286, 0.4659, 0.4235** 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 **27.0209, 0.1990, 0.1951**, and the grayscale version is **42.7946, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.8079, 0.4073, 0.4247**, and **20.6187, 0.5003, 0.4364** is the 20% darker color. If you saturate the color by 10%, you get **40.8377, 0.4893, 0.4276**, and if you desaturate by 10%, it is **48.8474, 0.4409, 0.4149**.

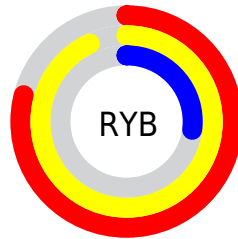
# Distribution



Red (93%)

Green (64%)

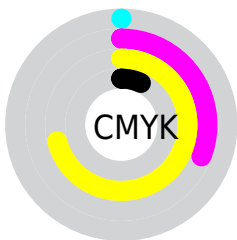
Blue (27%)



Red (79%)

Yellow (93%)

Blue (27%)

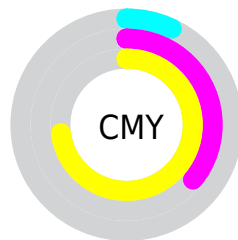


Cyan (0%)

Magenta (31%)

Yellow (71%)

Black (7%)



Cyan (7%)

Magenta (36%)


Yellow (73%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 44.6286, 0.4659, 0.4235 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 44.6286, 0.4659, 0.4235 by changing the saturation by 10% instead.




 44.6286, 0.4659,  
0.4235

 44.6286, 0.4659,  
0.4235


365.2673, 0.3925,  
0.3837

 31.1650, 0.4818,  
0.4301


 82.1628, 0.4408,  
0.4114

 20.7245, 0.5003,  
0.4363


 107.0022, 0.4308,  
0.4061

 12.9228, 0.5214,  
0.4410


 136.4023, 0.4222,  
0.4014

 7.3754, 0.5524,  
0.4476

 170.7475, 0.4147,  
0.3971

 3.6980, 0.5682,  
0.4318

 210.4222, 0.4081,  
0.3932

 1.5061, 0.5940,  
0.4060

255.8108, 0.4023,

 0.2930, 0.7176,

0.3897

0.2824

307.2977, 0.3971,  
0.3866

0.0000, 0.0000,  
0.0000

44.6286, 0.4659,  
0.4235

44.6286, 0.4659,  
0.4235

40.8377, 0.4893,  
0.4276

48.8474, 0.4409,  
0.4149

37.4457, 0.5097,  
0.4264

53.5070, 0.4158,  
0.4030


34.6759, 0.5253,  
0.4211

58.6274, 0.3917,  
0.3890

64.2249, 0.3692,  
0.3741

70.3150, 0.3487,  
0.3590

 76.9121, 0.3303,  
0.3442

 84.0299, 0.3141,  
0.3302

 91.4479, 0.3018,  
0.3206

 96.7448, 0.3017,  
0.3290

# Harmonies

## Analogous

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



44.6286, 0.4820, 0.3619



44.6286, 0.4659, 0.4235



44.6286, 0.4085, 0.4745

# Triad

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



44.6286, 0.4659, 0.4235



44.6286, 0.1938, 0.3393



44.6286, 0.2758, 0.2144

# Complementary

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



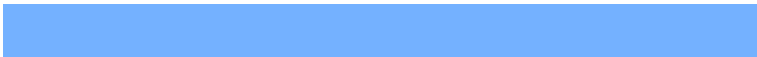
44.6286, 0.4659, 0.4235



27.0209, 0.1990, 0.1951

# 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.



44.6286, 0.2104, 0.2011



44.6286, 0.4659, 0.4235



44.6286, 0.1685, 0.2593

# Square

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



44.6286, 0.4659, 0.4235



44.6286, 0.2513, 0.4328



44.6286, 0.1746, 0.2142



44.6286, 0.3627, 0.2499



# Rectangle

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



44.6286, 0.4659, 0.4235



44.6286, 0.3573, 0.4890



44.6286, 0.1746, 0.2142



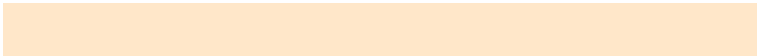
44.6286, 0.2509, 0.2073

# Sweetspot

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



44.6309, 0.4659, 0.4235



82.8828, 0.3491, 0.3593



24.2920, 0.4411, 0.2543



17.3016, 0.3545, 0.3634



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.



44.6309, 0.4659, 0.4235



46.3831, 0.4988, 0.4278



77.5913, 0.4012, 0.4899



16.4523, 0.3279, 0.3422



19.1976, 0.5231, 0.4228



1.6987, 0.5048, 0.4374



# Inverse Universe

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



27.0209, 0.1990, 0.1951



24.6077, 0.1825, 0.1642



11.9640, 0.1802, 0.1051



15.6407, 0.2980, 0.3155



9.0375, 0.1719, 0.1388



0.8984, 0.1793, 0.1655



# Previews

## White Background



This preview shows how the Yxy color 44.6286, 0.4659, 0.4235 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 44.6286, 0.4659, 0.4235 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 44.6286, 0.4659, 0.4235**

## Background



This preview shows how black text looks on a background with the Yxy color 44.6286, 0.4659, 0.4235.



This preview shows how white text looks on a background with the Yxy color 44.6286, 0.4659, 0.4235.

# 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

44.6286, 0.4659, 0.4235

### Protanopia

44.8767, 0.4142, 0.4544

### Deuteranopia

44.8427, 0.4483, 0.4387



## Tritanopia

44.5538, 0.3911, 0.3160

# Trichromacy



## Original Color

44.6286, 0.4659, 0.4235

## Protanomaly

44.5012, 0.4335, 0.4429

## Deuteranomaly

44.5488, 0.4549, 0.4325

## Tritanomaly

44.4264, 0.4232, 0.3591

# Monochromacy



## Original Color

44.6286, 0.4659, 0.4235

## Achromatopsia

42.3268, 0.3127, 0.3290

## Achromatomaly

42.3973, 0.3686, 0.3735

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 44.6286, 0.4659, 0.4235 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, 163, 69)` looks like.

```
.text, #text, p{  
    color:rgb(237, 163, 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, 163, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 163, 69) }
```

## Border

The CSS property to change the border of an element to Yxy 44.6286, 0.4659, 0.4235 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, 163, 69) }
```

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

```
.border{ border-color:rgb(237, 163, 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, 163, 69)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 163, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 163, 69);  
box-shadow:4px 4px 4px 4px rgb(237, 163,  
69) }
```



# Background

The CSS property to change the background color of an element to Yxy 44.6286, 0.4659, 0.4235 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 163, 69) }
```

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

```
.background{ background-color: rgb(237,  
163, 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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