

# Converting Colors

Yxy(43.8708, 0.4764, 0.4600)

Have a look what the booklet for  
Yxy(43.8708, 0.4764, 0.4600)  
contains.

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# Color

**Yxy(43.9683, 0.4761, 0.4601)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E3A700
RGB	227, 167, 0
RGB Percent	89%, 65%, 0%
CMY	0.1098, 0.3451, 0.9988
CMYK	0.00, 0.26, 1.00, 0.11
HSL	44°, 100%, 45%
HSV	44°, 100%, 89%
XYZ	45.4973, 43.9683, 6.0969
YIQ	165.9020, 89.3670, -39.2170

# Conversions

## Conversions Part 2

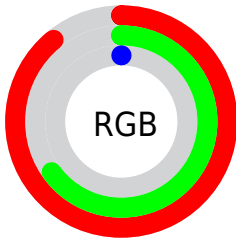
Format	Color
<a href="#">RYB</a>	82, 227, 0
Decimal	14919424
<a href="#">CIELab</a>	72.21, 10.92, 75.57
<a href="#">CIELCh</a>	72, 76.352, 81.774
<a href="#">Yxy</a>	43.9683, 0.4761, 0.4601
Android (android.graphics.Color)	4293109504 (0xFFE3A700)
<a href="#">YUV</a>	165.9020, -81.7897, 53.5829
<a href="#">Hunter-Lab</a>	66.3086, 6.4368, 40.9645

# Details

The Yxy color **43.9683, 0.4761, 0.4601** 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 **8.8094, 0.1584, 0.0900**, and the grayscale version is **38.4716, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.0526, 0.4278, 0.4609**, and **20.3685, 0.4857, 0.4526** is the 20% darker color. If you saturate the color by 10%, you get **43.9409, 0.4762, 0.4601**, and if you desaturate by 10%, it is **46.2841, 0.4662, 0.4613**.

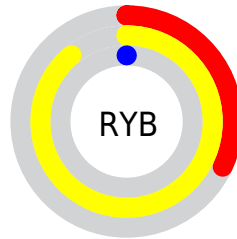
# Distribution



Red (89%)

Green (65%)

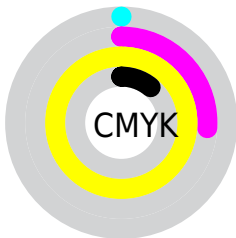
Blue (0%)



Red (32%)

Yellow (89%)

Blue (0%)

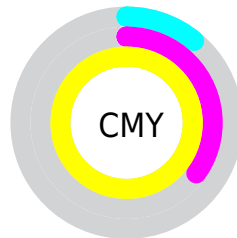


Cyan (0%)

Magenta (26%)

Yellow (100%)

Black (11%)



Cyan (11%)

Magenta (35%)


Yellow (100%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 43.9683, 0.4761, 0.4601 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 43.9683, 0.4761, 0.4601 by changing the saturation by 10% instead.





 43.9683, 0.4761,  
0.4601


 43.9683, 0.4761,  
0.4601


362.5789, 0.4033,  
0.4068

 30.6456, 0.4891,  
0.4676


 81.1700, 0.4532,  
0.4448


 20.3291, 0.5025,  
0.4739


 105.8179, 0.4435,  
0.4378


 12.6345, 0.5193,  
0.4807

 135.0095, 0.4348,  
0.4313

 7.1774, 0.5257,  
0.4743

 169.1294, 0.4270,  
0.4255

 3.5733, 0.5354,  
0.4646

 208.5618, 0.4201,  
0.4201

 1.4378, 0.5516,  
0.4484

 253.6913, 0.4139,

 0.2444, 0.6712,

0.4152

0.3288

304.9022, 0.4084,  
0.4108

0.0000, 0.0000,  
0.0000

43.9683, 0.4761,  
0.4601

43.9683, 0.4761,  
0.4601

43.9409, 0.4762,  
0.4601

46.2841, 0.4662,  
0.4613

48.7731, 0.4535,  
0.4580

51.4613, 0.4379,  
0.4499

54.3631, 0.4202,  
0.4376

57.4909, 0.4013,  
0.4220

■ 60.8555, 0.3820,  
0.4042

■ 64.4670, 0.3631,  
0.3852

■ 68.3343, 0.3450,  
0.3659

■ 72.4662, 0.3281,  
0.3470

# Harmonies

## Analogous

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



43.9683, 0.5210, 0.3857



43.9683, 0.4761, 0.4601



43.9683, 0.3926, 0.5211

# Triad

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



43.9683, 0.4761, 0.4601



43.9683, 0.1537, 0.3004



43.9683, 0.2994, 0.2030

# Complementary

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



43.9683, 0.4761, 0.4601



8.8094, 0.1584, 0.0900

# 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.



43.9683, 0.2101, 0.1782



43.9683, 0.4761, 0.4601



43.9683, 0.1391, 0.2178

# Square

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



43.9683, 0.4761, 0.4601



43.9683, 0.2072, 0.4238



43.9683, 0.1577, 0.1811



43.9683, 0.4116, 0.2514



# Rectangle

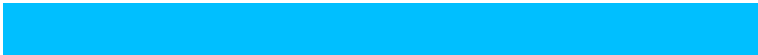
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



43.9683, 0.4761, 0.4601



43.9683, 0.3278, 0.5307



43.9683, 0.1577, 0.1811



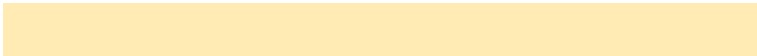
43.9683, 0.2658, 0.1919

# Sweetspot

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



43.9705, 0.4761, 0.4601



83.7720, 0.3637, 0.3858



16.6707, 0.5904, 0.3027



17.4960, 0.3717, 0.3939



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.



43.9705, 0.4761, 0.4601



57.0229, 0.4767, 0.4597



63.9456, 0.3781, 0.5379



16.1379, 0.3274, 0.3462



25.8284, 0.4752, 0.4609



2.0586, 0.4652, 0.4688



# Inverse Universe

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



8.8094, 0.1584, 0.0900



11.2913, 0.1580, 0.0888



6.3144, 0.1620, 0.0667



14.5043, 0.2981, 0.3112



5.2863, 0.1590, 0.0922



0.5397, 0.1668, 0.1204



# Previews

## White Background



This preview shows how the Yxy color 43.9683, 0.4761, 0.4601 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 43.9683, 0.4761, 0.4601 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 43.9683, 0.4761, 0.4601**

## Background



This preview shows how black text looks on a background with the Yxy color 43.9683, 0.4761, 0.4601.



This preview shows how white text looks on a background with the Yxy color 43.9683, 0.4761, 0.4601.

# 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

43.9683, 0.4761, 0.4601

### Protanopia

44.1492, 0.4386, 0.4864

### Deuteranopia

43.8526, 0.4725, 0.4631



## Tritanopia

43.8949, 0.3807, 0.3156

# Trichromacy



## Original Color

43.9683, 0.4761, 0.4601

## Protanomaly

43.9913, 0.4526, 0.4768

## Deuteranomaly

44.0128, 0.4733, 0.4624

## Tritanomaly

42.9927, 0.4363, 0.3885

# Monochromacy



## Original Color

43.9683, 0.4761, 0.4601

## Achromatopsia

38.1326, 0.3127, 0.3290

## Achromatomaly

39.0044, 0.3884, 0.4097

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 43.9683, 0.4761, 0.4601 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(227, 167, 0)` looks like.

```
.text, #text, p{  
    color:rgb(227, 167, 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(227, 167, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 167, 0) }
```

## Border

The CSS property to change the border of an element to Yxy 43.9683, 0.4761, 0.4601 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(227, 167, 0) }
```

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

```
.border{ border-color:rgb(227, 167, 0) }
```

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

Here you see how a box with a 4 pixel rgb(227, 167, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 167, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 167, 0);  
box-shadow:4px 4px 4px 4px rgb(227, 167,  
0) }
```



# Background

The CSS property to change the background color of an element to Yxy 43.9683, 0.4761, 0.4601 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 167, 0) }
```

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

```
.background{ background-color: rgb(227,  
167, 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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