

# Converting Colors

Yxy(51.6953, 0.4742, 0.4617)

Have a look what the booklet for  
Yxy(51.6953, 0.4742, 0.4617)  
contains.

<b>Yxy(51.5198, 0.4743, 0.4616)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# **Color**

**Yxy(51.5198, 0.4743, 0.4616)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F2B400
RGB	242, 180, 0
RGB Percent	95%, 71%, 0%
CMY	0.0510, 0.2941, 0.9999
CMYK	0.00, 0.26, 1.00, 0.05
HSL	45°, 100%, 47%
HSV	45°, 100%, 95%
XYZ	52.9373, 51.5198, 7.1543
YIQ	178.0180, 94.7320, -42.8360

# Conversions

## Conversions Part 2

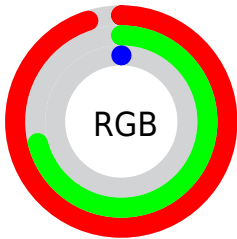
Format	Color
R <sub>Y</sub> B	83, 242, 0
Decimal	15905792
CIE Lab	76.99, 10.55, 79.63
CIE LCh	77, 80.324, 82.453
Yxy	51.5198, 0.4743, 0.4616
Android (android.graphics.Color)	4294095872 (0xFFFF2B400)
YUV	178.0180, -87.7629, 56.1122
Hunter-Lab	71.7773, 6.0372, 44.3345

# Details

The Yxy color **51.5198, 0.4743, 0.4616** is a dark color, and the websafe version is hex **FFCC33**. The color can be described as middle saturated orange. A complement of this color would be **9.8560, 0.1577, 0.0876**, and the grayscale version is **44.9698, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.2859, 0.4174, 0.4682**, and **25.1416, 0.4814, 0.4560** is the 20% darker color. If you saturate the color by 10%, you get **51.5201, 0.4743, 0.4616**, and if you desaturate by 10%, it is **54.1485, 0.4648, 0.4628**.

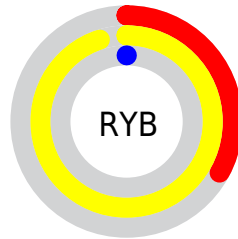
# Distribution



Red (95%)

Green (71%)

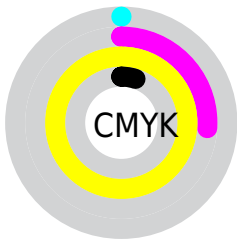
Blue (0%)



Red (33%)

Yellow (95%)

Blue (0%)

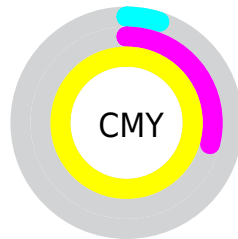


Cyan (0%)

Magenta (26%)

Yellow (100%)

Black (5%)



Cyan (5%)

Magenta (29%)


Yellow (100%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 51.5198, 0.4743, 0.4616 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 51.5198, 0.4743, 0.4616 by changing the saturation by 10% instead.





 51.5198, 0.4743,  
0.4616


 51.5198, 0.4743,  
0.4616


392.5800, 0.4047,  
0.4091


 36.6225, 0.4864,  
0.4690


 92.4227, 0.4528,  
0.4467


 24.9153, 0.4989,  
0.4754


 119.1970, 0.4435,  
0.4398


 16.0140, 0.5144,  
0.4827


 150.6991, 0.4352,  
0.4335

 9.5340, 0.5212,  
0.4788

 187.3133, 0.4278,  
0.4277

 5.0911, 0.5288,  
0.4712

 229.4241, 0.4211,  
0.4224

 2.3008, 0.5409,  
0.4591

 277.4159, 0.4151,

 0.7741, 0.5643,

0.4176

0.4357

331.6731, 0.4096,  
0.4132

■ 0.0000, 0.0000,  
0.0000

■ 51.5198, 0.4743,  
0.4616

■ 51.5198, 0.4743,  
0.4616

■ 51.5201, 0.4743,  
0.4616

■ 54.1485, 0.4648,  
0.4628

■ 56.9711, 0.4526,  
0.4596

■ 60.0176, 0.4374,  
0.4516

■ 63.3047, 0.4201,  
0.4392

■ 66.8469, 0.4014,  
0.4234

■ 70.6567, 0.3822,  
0.4055

■ 74.7457, 0.3633,  
0.3862

■ 79.1244, 0.3452,  
0.3667

■ 83.8027, 0.3283,  
0.3475

# Harmonies

## Analogous

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



51.5198, 0.5202, 0.3874



51.5198, 0.4743, 0.4616



51.5198, 0.3904, 0.5216

# Triad

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



51.5198, 0.4743, 0.4616



51.5198, 0.1532, 0.2980



51.5198, 0.3018, 0.2040

# Complementary

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



51.5198, 0.4743, 0.4616



9.8560, 0.1577, 0.0876

# 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.



51.5198, 0.2119, 0.1787



51.5198, 0.4743, 0.4616



51.5198, 0.1394, 0.2168

# Square

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



51.5198, 0.4743, 0.4616



51.5198, 0.2058, 0.4207



51.5198, 0.1587, 0.1809



51.5198, 0.4139, 0.2528



# Rectangle

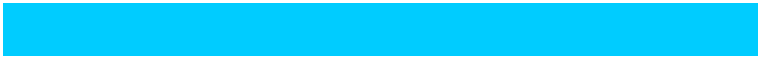
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



51.5198, 0.4743, 0.4616



51.5198, 0.3256, 0.5299



51.5198, 0.1587, 0.1809



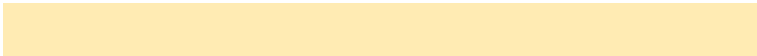
51.5198, 0.2680, 0.1927

# Sweetspot

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



51.5224, 0.4743, 0.4616



84.1429, 0.3635, 0.3864



19.2526, 0.5916, 0.3033



17.5852, 0.3714, 0.3946



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.



51.5224, 0.4743, 0.4616



57.9489, 0.4745, 0.4615



73.8797, 0.3779, 0.5381



17.7336, 0.3275, 0.3465



27.9104, 0.4732, 0.4625



2.4805, 0.4645, 0.4694



# Inverse Universe

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



9.8560, 0.1577, 0.0876



11.0373, 0.1575, 0.0871



7.2654, 0.1616, 0.0664



15.8868, 0.2980, 0.3109



5.4793, 0.1584, 0.0901



0.6106, 0.1653, 0.1149



# Previews

## White Background



This preview shows how the Yxy color 51.5198, 0.4743, 0.4616 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 51.5198, 0.4743, 0.4616 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 51.5198, 0.4743, 0.4616**

## Background



This preview shows how black text looks on a background with the Yxy color 51.5198, 0.4743, 0.4616.



This preview shows how white text looks on a background with the Yxy color 51.5198, 0.4743, 0.4616.

# 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

51.5198, 0.4743, 0.4616

### Protanopia

51.7377, 0.4393, 0.4864

### Deuteranopia

51.7485, 0.4725, 0.4631



## Tritanopia

51.4420, 0.3791, 0.3153

# Trichromacy



## Original Color

51.5198, 0.4743, 0.4616

## Protanomaly

51.5657, 0.4523, 0.4773

## Deuteranomaly

51.7485, 0.4725, 0.4631

## Tritanomaly

50.6993, 0.4341, 0.3891

# Monochromacy



## Original Color

51.5198, 0.4743, 0.4616

## Achromatopsia

44.5201, 0.3127, 0.3290

## Achromatomaly

45.8500, 0.3883, 0.4122

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 51.5198, 0.4743, 0.4616 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(242, 180, 0)` looks like.

```
.text, #text, p{  
    color:rgb(242, 180, 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(242, 180, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 180, 0) }
```

## Border

The CSS property to change the border of an element to Yxy 51.5198, 0.4743, 0.4616 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(242, 180, 0) }
```

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

```
.border{ border-color:rgb(242, 180, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 180, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 180, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 180, 0);  
box-shadow:4px 4px 4px 4px rgb(242, 180,  
0) }
```



# Background

The CSS property to change the background color of an element to Yxy 51.5198, 0.4743, 0.4616 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 180, 0) }
```

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

```
.background{ background-color: rgb(242,  
180, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor