

# Converting Colors

Yxy(51.4443, 0.4308, 0.4417)

Have a look what the booklet for  
Yxy(51.4443, 0.4308, 0.4417)  
contains.

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# Color

**Yxy(51.4459, 0.4306, 0.4417)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E2B950
RGB	226, 185, 80
RGB Percent	89%, 73%, 31%
CMY	0.1139, 0.2744, 0.6863
CMYK	0.00, 0.18, 0.65, 0.11
HSL	43°, 72%, 60%
HSV	43°, 65%, 89%
XYZ	50.1531, 51.4459, 14.8735
YIQ	185.2890, 58.1410, -23.9630

# Conversions

## Conversions Part 2

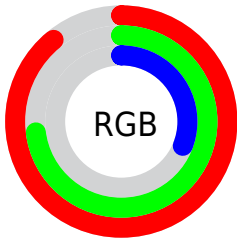
<b>Format</b>	<b>Color</b>
<b>RYB</b>	137, 226, 80
Decimal	14858576
CIELab	76.95, 3.40, 57.25
CIELCh	77, 57.354, 86.602
Yxy	51.4459, 0.4306, 0.4417
Android (android.graphics.Color)	4293048656 (0xFFE2B950)
YUV	185.2890, -51.9075, 35.7035
Hunter-Lab	71.7258, -0.7070, 37.9133

# Details

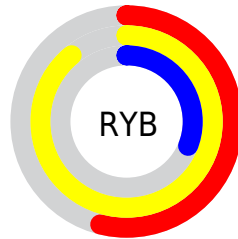
The Yxy color **51.4459, 0.4306, 0.4417** is a light color, and the websafe version is hex **FFCC66**. The color can be described as light muted orange. A complement of this color would be **20.8538, 0.1998, 0.1746**, and the grayscale version is **48.9551, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.8640, 0.3895, 0.4348**, and **24.7840, 0.4552, 0.4632** is the 20% darker color. If you saturate the color by 10%, you get **48.5751, 0.4480, 0.4519**, and if you desaturate by 10%, it is **54.5522, 0.4116, 0.4278**.

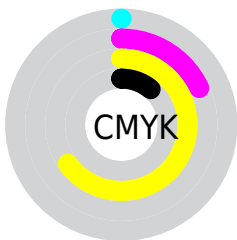
# Distribution



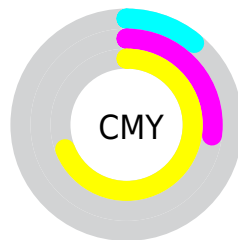
- Red (89%)
- Green (73%)
- Blue (31%)



- Red (54%)
- Yellow (89%)
- Blue (31%)



- Cyan (0%)
- Magenta (18%)
- Yellow (65%)
- Black (11%)




- Cyan (11%)
- Magenta (27%)
- Yellow (69%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 51.4459, 0.4306, 0.4417 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 51.4459, 0.4306, 0.4417 by changing the saturation by 10% instead.





 51.4459, 0.4306,  
0.4417

 51.4459, 0.4306,  
0.4417


392.2937, 0.3761,  
0.3906

 36.5636, 0.4419,  
0.4519


 92.3135, 0.4123,  
0.4249


 24.8698, 0.4549,  
0.4635


 119.0677, 0.4050,  
0.4180


 15.9801, 0.4695,  
0.4759


 150.5479, 0.3986,  
0.4120

 9.5100, 0.4868,  
0.4900

 187.1386, 0.3930,  
0.4067

 5.0753, 0.5009,  
0.4991

 229.2241, 0.3880,  
0.4020

 2.2915, 0.5050,  
0.4950

277.1888, 0.3836,

 0.7692, 0.5142,

0.3978

0.4858

331.4173, 0.3797,  
0.3940

0.0000, 0.0000,  
0.0000

51.4459, 0.4306,  
0.4417

51.4459, 0.4306,  
0.4417

48.5751, 0.4480,  
0.4519

54.5522, 0.4116,  
0.4278

45.9190, 0.4630,  
0.4575

57.8982, 0.3919,  
0.4112

43.4641, 0.4748,  
0.4580

61.4969, 0.3724,  
0.3929

42.2093, 0.4803,  
0.4568

65.3578, 0.3536,  
0.3741

69.4899, 0.3360,  
0.3553

■ 73.9015, 0.3197,  
0.3371

■ 78.6005, 0.3049,  
0.3198

■ 83.2177, 0.2948,  
0.3093

■ 86.9272, 0.2950,  
0.3159

# Harmonies

## Analogous

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



51.4459, 0.4646, 0.3893



51.4459, 0.4306, 0.4417



51.4459, 0.3673, 0.4714

# Triad

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



51.4459, 0.4306, 0.4417



51.4459, 0.1892, 0.3002



51.4459, 0.3174, 0.2380

# Complementary

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



51.4459, 0.4306, 0.4417



20.8538, 0.1998, 0.1746

# 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.



51.4459, 0.2463, 0.2151



51.4459, 0.4306, 0.4417



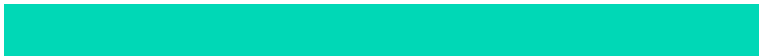
51.4459, 0.1800, 0.2422

# Square

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



51.4459, 0.4306, 0.4417



51.4459, 0.2285, 0.3818



51.4459, 0.1993, 0.2151



51.4459, 0.3965, 0.2794



# Rectangle

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



51.4459, 0.4306, 0.4417



51.4459, 0.3179, 0.4650



51.4459, 0.1993, 0.2151



51.4459, 0.2917, 0.2281

# Sweetspot

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



51.4484, 0.4306, 0.4417



88.8962, 0.3438, 0.3637



23.2883, 0.4614, 0.2851



18.6947, 0.3489, 0.3692



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.



51.4484, 0.4306, 0.4417



62.4886, 0.4542, 0.4547



66.4680, 0.3771, 0.4917



15.3456, 0.3274, 0.3458



24.2985, 0.4791, 0.4578



1.8332, 0.4678, 0.4668



# Inverse Universe

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



20.8538, 0.1998, 0.1746



19.6284, 0.1792, 0.1381



14.6448, 0.2085, 0.1315



13.8661, 0.2981, 0.3116



5.3591, 0.1600, 0.0958



0.5203, 0.1684, 0.1262



# Previews

## White Background



This preview shows how the Yxy color 51.4459, 0.4306, 0.4417 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 51.4459, 0.4306, 0.4417 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 51.4459, 0.4306, 0.4417**

## **Background**



This preview shows how black text looks on a background with the Yxy color 51.4459, 0.4306, 0.4417.



This preview shows how white text looks on a background with the Yxy color 51.4459, 0.4306, 0.4417.

# 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

51.4459, 0.4306, 0.4417

### Protanopia

51.2850, 0.4123, 0.4518

### Deuteranopia

51.4747, 0.4419, 0.4325



## Tritanopia

51.3524, 0.3555, 0.3146

# Trichromacy



## Original Color

51.4459, 0.4306, 0.4417

## Protanomaly

51.1595, 0.4189, 0.4484

## Deuteranomaly

51.2058, 0.4377, 0.4352

## Tritanomaly

50.9678, 0.3868, 0.3636

# Monochromacy



## Original Color

51.4459, 0.4306, 0.4417

## Achromatopsia

48.5150, 0.3127, 0.3290

## Achromatomaly

49.0839, 0.3568, 0.3771

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 51.4459, 0.4306, 0.4417 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(226, 185, 80)` looks like.

```
.text, #text, p{  
    color:rgb(226, 185, 80)  
}
```

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(226, 185, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 185, 80) }
```

## Border

The CSS property to change the border of an element to Yxy 51.4459, 0.4306, 0.4417 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(226, 185, 80) }
```

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

```
.border{ border-color:rgb(226, 185, 80) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 185, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 185, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 185, 80);  
box-shadow:4px 4px 4px 4px rgb(226, 185,  
80) }
```



# Background

The CSS property to change the background color of an element to Yxy 51.4459, 0.4306, 0.4417 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 185, 80) }
```

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

```
.background{ background-color: rgb(226,  
185, 80) }
```

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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