

# Converting Colors

$Yxy(48.0711, 0.4437, 0.4537)$

Have a look what the booklet for  
Yxy(48.0711, 0.4437, 0.4537)  
contains.

<b>Yxy(48.0856, 0.4435, 0.4534)</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(48.0856, 0.4435, 0.4534)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DEB33B
RGB	222, 179, 59
RGB Percent	87%, 70%, 23%
CMY	0.1294, 0.2980, 0.7688
CMYK	0.00, 0.19, 0.73, 0.13
HSL	44°, 71%, 55%
HSV	44°, 73%, 87%
XYZ	47.0356, 48.0856, 10.9343
YIQ	178.1770, 64.1480, -28.2040

# Conversions

## Conversions Part 2

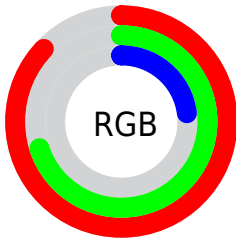
Format	Color
<a href="#">RYB</a>	<a href="#">117, 222, 59</a>
Decimal	<a href="#">14594875</a>
<a href="#">CIELab</a>	<a href="#">74.88, 3.77, 63.73</a>
<a href="#">CIELCh</a>	<a href="#">75, 63.837, 86.616</a>
<a href="#">Yxy</a>	<a href="#">48.0856, 0.4435, 0.4534</a>
<a href="#">Android (android.graphics.Color)</a>	<a href="#">4292784955 (0xFFDEB33B)</a>
<a href="#">YUV</a>	<a href="#">178.1770, -58.7543, 38.4328</a>
<a href="#">Hunter-Lab</a>	<a href="#">69.3438, -0.2757, 39.1916</a>

# Details

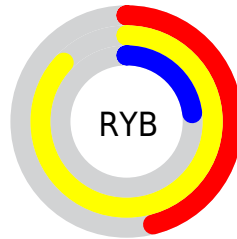
The Yxy color **48.0856, 0.4435, 0.4534** is a light color, and the websafe version is hex **CC9933**. The color can be described as light muted orange. A complement of this color would be **15.7002, 0.1852, 0.1474**, and the grayscale version is **44.9110, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.3205, 0.4033, 0.4450**, and **22.9653, 0.4641, 0.4697** is the 20% darker color. If you saturate the color by 10%, you get **45.6067, 0.4581, 0.4599**, and if you desaturate by 10%, it is **50.7667, 0.4265, 0.4424**.

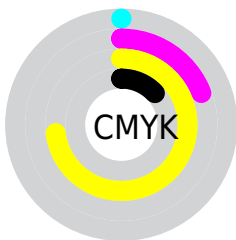
# Distribution



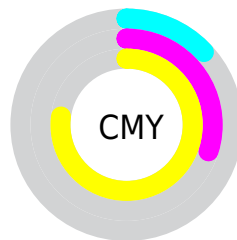
- Red (87%)
- Green (70%)
- Blue (23%)



- Red (46%)
- Yellow (87%)
- Blue (23%)



- Cyan (0%)
- Magenta (19%)
- Yellow (73%)
- Black (13%)




- Cyan (13%)
- Magenta (30%)
- Yellow (77%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 48.0856, 0.4435, 0.4534 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 48.0856, 0.4435, 0.4534 by changing the saturation by 10% instead.





 48.0856, 0.4435,  
0.4534


 48.0856, 0.4435,  
0.4534


379.1313, 0.3838,  
0.3980

 33.8947, 0.4553,  
0.4638


 87.3318, 0.4239,  
0.4356


 22.8127, 0.4684,  
0.4750


 113.1560, 0.4159,  
0.4282

 14.4553, 0.4820,  
0.4859


 143.6266, 0.4088,  
0.4216

 8.4380, 0.5001,  
0.4999

 179.1281, 0.4026,  
0.4158

 4.3765, 0.5032,  
0.4968

 220.0450, 0.3970,  
0.4106

 1.8863, 0.5082,  
0.4918

266.7615, 0.3921,

 0.5401, 0.5285,

0.4059

0.4715

319.6622, 0.3877,  
0.4017

0.0000, 0.0000,  
0.0000

48.0856, 0.4435,  
0.4534

48.0856, 0.4435,  
0.4534

45.6067, 0.4581,  
0.4599

50.7667, 0.4265,  
0.4424

43.3085, 0.4697,  
0.4614

53.6553, 0.4080,  
0.4279

41.8857, 0.4759,  
0.4603

56.7645, 0.3888,  
0.4107

60.1040, 0.3697,  
0.3920

63.6826, 0.3513,  
0.3728

■ 67.5085, 0.3339,  
0.3537

■ 71.5896, 0.3179,  
0.3352

■ 75.9331, 0.3033,  
0.3176

■ 80.3006, 0.2923,  
0.3050

# Harmonies

## Analogous

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



48.0856, 0.4837, 0.3933



48.0856, 0.4435, 0.4534



48.0856, 0.3717, 0.4909

# Triad

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



48.0856, 0.4435, 0.4534



48.0856, 0.1747, 0.2947



48.0856, 0.3174, 0.2277

# Complementary

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



48.0856, 0.4435, 0.4534



15.7002, 0.1852, 0.1474

# 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.



48.0856, 0.2378, 0.2025



48.0856, 0.4435, 0.4534



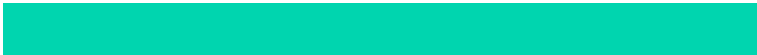
48.0856, 0.1653, 0.2305

# Square

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



48.0856, 0.4435, 0.4534



48.0856, 0.2171, 0.3891



48.0856, 0.1864, 0.2019



48.0856, 0.4078, 0.2730



# Rectangle

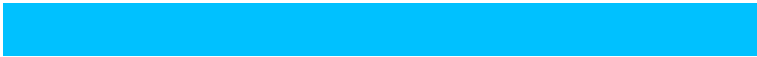
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



48.0856, 0.4435, 0.4534



48.0856, 0.3164, 0.4859



48.0856, 0.1864, 0.2019



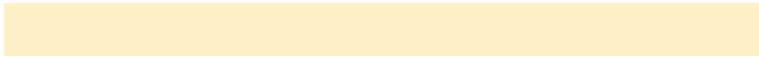
48.0856, 0.2883, 0.2168

# Sweetspot

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



48.0879, 0.4435, 0.4534



87.8180, 0.3490, 0.3703



19.6235, 0.4986, 0.2869



18.5005, 0.3539, 0.3756



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.



48.0879, 0.4435, 0.4534



60.7501, 0.4645, 0.4613



62.7503, 0.3788, 0.5093



15.3857, 0.3274, 0.3462



25.0669, 0.4749, 0.4611



1.8812, 0.4644, 0.4694



# Inverse Universe

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



15.7002, 0.1852, 0.1474



14.7824, 0.1668, 0.1109



10.9403, 0.1952, 0.1085



13.8283, 0.2981, 0.3112



5.1189, 0.1590, 0.0922



0.4994, 0.1673, 0.1221



# Previews

## White Background



This preview shows how the Yxy color 48.0856, 0.4435, 0.4534 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

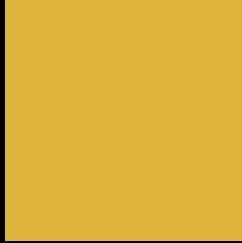
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 48.0856, 0.4435, 0.4534 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 48.0856, 0.4435, 0.4534**

## **Background**



This preview shows how black text looks on a background with the Yxy color 48.0856, 0.4435, 0.4534.



This preview shows how white text looks on a background with the Yxy color 48.0856, 0.4435, 0.4534.

# 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

48.0856, 0.4435, 0.4534

### Protanopia

48.3002, 0.4238, 0.4660

### Deuteranopia

47.9751, 0.4545, 0.4441



## Tritanopia

47.9216, 0.3608, 0.3143

# Trichromacy



## Original Color

48.0856, 0.4435, 0.4534

## Protanomaly

48.1903, 0.4305, 0.4620

## Deuteranomaly

47.8709, 0.4510, 0.4467

## Tritanomaly

47.3974, 0.3980, 0.3699

# Monochromacy



## Original Color

48.0856, 0.4435, 0.4534

## Achromatopsia

44.5201, 0.3127, 0.3290

## Achromatomaly

45.0594, 0.3637, 0.3852

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 48.0856, 0.4435, 0.4534 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(222, 179, 59)` looks like.

```
.text, #text, p{  
    color:rgb(222, 179, 59)  
}
```

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(222, 179, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 179, 59) }
```

## Border

The CSS property to change the border of an element to Yxy 48.0856, 0.4435, 0.4534 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(222, 179, 59) }
```

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

```
.border{ border-color:rgb(222, 179, 59) }
```

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

Here you see how a box with a 4 pixel rgb(222, 179, 59) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 179, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 179, 59);  
box-shadow:4px 4px 4px 4px rgb(222, 179,  
59) }
```



# Background

The CSS property to change the background color of an element to Yxy 48.0856, 0.4435, 0.4534 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 179, 59) }
```

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

```
.background{ background-color: rgb(222,  
179, 59) }
```

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