

# Converting Colors

$Y_{xy}(56.2399, 0.4275, 0.4834)$

Have a look what the booklet for  
Yxy(56.2399, 0.4275, 0.4834)  
contains.

<b>Yxy(56.2204, 0.4274, 0.4837)</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(56.2204, 0.4274, 0.4837)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D9C829
RGB	217, 200, 41
RGB Percent	85%, 78%, 16%
CMY	0.1489, 0.2157, 0.8391
CMYK	0.00, 0.08, 0.81, 0.15
HSL	54°, 70%, 51%
HSV	54°, 81%, 85%
XYZ	49.6767, 56.2204, 10.3328
YIQ	186.9570, 61.1710, -45.8450

# Conversions

## Conversions Part 2

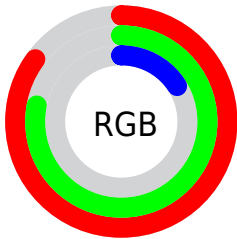
Format	Color
<a href="#">RYB</a>	<a href="#">60, 217, 41</a>
Decimal	<a href="#">14272553</a>
<a href="#">CIELab</a>	<a href="#">79.74, -9.91, 73.84</a>
<a href="#">CIELCh</a>	<a href="#">80, 74.504, 97.646</a>
<a href="#">Yxy</a>	<a href="#">56.2204, 0.4274, 0.4837</a>
Android (android.graphics.Color)	<a href="#">4292462633</a> ( <a href="#">0xFFD9C829</a> )
<a href="#">YUV</a>	<a href="#">186.9570, -71.9568, 26.3477</a>
<a href="#">Hunter-Lab</a>	<a href="#">74.9803, -12.9539, 44.3156</a>

# Details

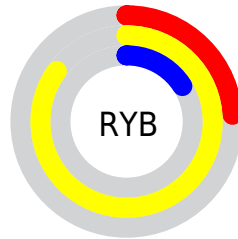
The Yxy color **56.2204, 0.4274, 0.4837** is a light color, and the websafe version is hex **CCCC33**. The color can be described as light washed yellow. A complement of this color would be **8.5152, 0.1662, 0.0946**, and the grayscale version is **50.0614, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.7393, 0.3978, 0.4696**, and **27.8269, 0.4331, 0.4943** is the 20% darker color. If you saturate the color by 10%, you get **55.1447, 0.4338, 0.4891**, and if you desaturate by 10%, it is **57.3982, 0.4182, 0.4739**.

# Distribution



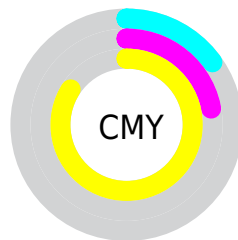
- Red (85%)
- Green (78%)
- Blue (16%)



- Red (24%)
- Yellow (85%)
- Blue (16%)



- Cyan (0%)
- Magenta (8%)
- Yellow (81%)
- Black (15%)




- Cyan (15%)
- Magenta (22%)
- Yellow (84%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 56.2204, 0.4274, 0.4837 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 56.2204, 0.4274, 0.4837 by changing the saturation by 10% instead.




 56.2204, 0.4274,  
0.4837

 56.2204, 0.4274,  
0.4837


410.5216, 0.3797,  
0.4147

 40.3797, 0.4353,  
0.4969


 99.3268, 0.4130,  
0.4614

 27.8347, 0.4430,  
0.5113


 127.3612, 0.4066,  
0.4522


 18.2011, 0.4496,  
0.5263


 160.2289, 0.4009,  
0.4440

 11.0944, 0.4558,  
0.5442

 198.3144, 0.3958,  
0.4368

 6.1304, 0.4488,  
0.5512

 242.0020, 0.3911,  
0.4303

 2.9245, 0.4377,  
0.5623

 291.6761, 0.3869,

 1.0925, 0.4174,

0.4245

0.5826

347.7212, 0.3831,  
0.4193

■ 0.0000, 0.0000,  
0.0000

■ 56.2204, 0.4274,  
0.4837

■ 56.2204, 0.4274,  
0.4837

■ 55.1447, 0.4338,  
0.4891

■ 57.3982, 0.4182,  
0.4739

■ 54.2475, 0.4376,  
0.4908

■ 58.6823, 0.4065,  
0.4598

■ 60.0853, 0.3927,  
0.4421

■ 61.6161, 0.3775,  
0.4217

■ 63.2827, 0.3615,  
0.3995

65.0923, 0.3453,  
0.3766

67.0515, 0.3295,  
0.3537

69.1665, 0.3143,  
0.3314

71.4432, 0.3001,  
0.3102

# Harmonies

## Analogous

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



56.2204, 0.4884, 0.4210



56.2204, 0.4274, 0.4837



56.2204, 0.3418, 0.5106

# Triad

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



56.2204, 0.4274, 0.4837



56.2204, 0.1551, 0.2592



56.2204, 0.3544, 0.2346

# Complementary

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



56.2204, 0.4274, 0.4837



8.5152, 0.1662, 0.0946

# 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.



56.2204, 0.2589, 0.1990



56.2204, 0.4274, 0.4837



56.2204, 0.1577, 0.2054

# Square

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



56.2204, 0.4274, 0.4837



56.2204, 0.1864, 0.3542



56.2204, 0.1918, 0.1879



56.2204, 0.4499, 0.2889



# Rectangle

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



56.2204, 0.4274, 0.4837



56.2204, 0.2817, 0.4869



56.2204, 0.1918, 0.1879



56.2204, 0.3206, 0.2203

# Sweetspot

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



56.2231, 0.4274, 0.4837



92.9451, 0.3504, 0.3838



16.6557, 0.5745, 0.3169



19.6933, 0.3562, 0.3920



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.



56.2231, 0.4274, 0.4837



78.4632, 0.4367, 0.4903



55.9697, 0.3572, 0.5377



15.0372, 0.3269, 0.3499



32.9150, 0.4373, 0.4910



2.1963, 0.4340, 0.4936



# Inverse Universe

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



8.5152, 0.1662, 0.0946



8.2803, 0.1527, 0.0678



10.0062, 0.2066, 0.1037



12.8188, 0.2981, 0.3072



3.4268, 0.1519, 0.0669



0.2929, 0.1570, 0.0853



# Previews

## White Background



This preview shows how the Yxy color 56.2204, 0.4274, 0.4837 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

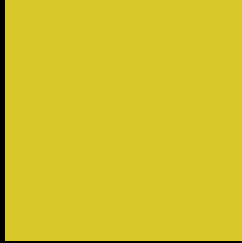
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 56.2204, 0.4274, 0.4837 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 56.2204, 0.4274, 0.4837**

## **Background**



This preview shows how black text looks on a background with the Yxy color 56.2204, 0.4274, 0.4837.



This preview shows how white text looks on a background with the Yxy color 56.2204, 0.4274, 0.4837.

# 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

56.2204, 0.4274, 0.4837

### Protanopia

56.0779, 0.4333, 0.4791

### Deuteranopia

56.3196, 0.4624, 0.4522



## Tritanopia

55.9929, 0.3370, 0.3123

# Trichromacy



## Original Color

56.2204, 0.4274, 0.4837

## Protanomaly

56.2226, 0.4308, 0.4811

## Deuteranomaly

55.8933, 0.4500, 0.4636

## Tritanomaly

55.2523, 0.3803, 0.3846

# Monochromacy



## Original Color

56.2204, 0.4274, 0.4837

## Achromatopsia

49.6933, 0.3127, 0.3290

## Achromatomaly

51.4263, 0.3631, 0.4021

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 56.2204, 0.4274, 0.4837 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(217, 200, 41)` looks like.

```
.text, #text, p{  
    color:rgb(217, 200, 41)  
}
```

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(217, 200, 41) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 200, 41) }
```

## Border

The CSS property to change the border of an element to Yxy 56.2204, 0.4274, 0.4837 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(217, 200, 41) }
```

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

```
.border{ border-color:rgb(217, 200, 41) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 200, 41)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 200, 41); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 200, 41);  
box-shadow:4px 4px 4px 4px rgb(217, 200,  
41) }
```



# Background

The CSS property to change the background color of an element to Yxy 56.2204, 0.4274, 0.4837 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 200, 41) }
```

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

```
.background{ background-color: rgb(217,  
200, 41) }
```

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