

# Converting Colors

Yxy(56.1045, 0.4388, 0.4865)

Have a look what the booklet for  
Yxy(56.1045, 0.4388, 0.4865)  
contains.

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# Color

**Yxy(56.1106, 0.4393, 0.4861)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DFC60F
RGB	223, 198, 15
RGB Percent	87%, 78%, 6%
CMY	0.1256, 0.2235, 0.9410
CMYK	0.00, 0.11, 0.93, 0.13
HSL	53°, 87%, 47%
HSV	53°, 93%, 87%
XYZ	50.7085, 56.1106, 8.6111
YIQ	184.6130, 73.6430, -51.6130

# Conversions

## Conversions Part 2

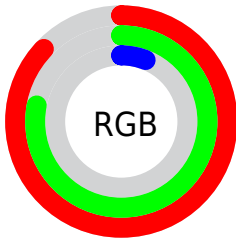
Format	Color
<b>R<sub>YB</sub></b>	43, 223, 15
Decimal	14665231
CIE Lab	79.68, -6.87, 79.11
CIE LCh	80, 79.410, 94.967
Yxy	56.1106, 0.4393, 0.4861
Android (android.graphics.Color)	4292855311 (0xFFDFC60F)
YUV	184.6130, -83.6192, 33.6654
Hunter-Lab	74.9070, -10.2513, 45.6191

# Details

The Yxy color **56.1106, 0.4393, 0.4861** is a dark color, and the websafe version is hex **CCCC00**. The color can be described as middle washed yellow. A complement of this color would be **6.9483, 0.1558, 0.0758**, and the grayscale version is **48.7362, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.8482, 0.4037, 0.4778**, and **28.0373, 0.4399, 0.4889** is the 20% darker color. If you saturate the color by 10%, you get **55.2570, 0.4424, 0.4869**, and if you desaturate by 10%, it is **57.4497, 0.4328, 0.4820**.

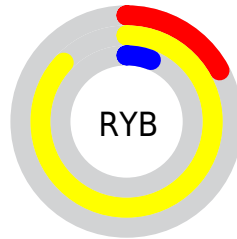
# Distribution



Red (87%)

Green (78%)

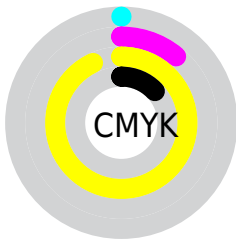
Blue (6%)



Red (17%)

Yellow (87%)

Blue (6%)

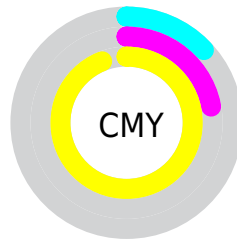


Cyan (0%)

Magenta (11%)

Yellow (93%)

Black (13%)



Cyan (13%)

Magenta (22%)


Yellow (94%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 56.1106, 0.4393, 0.4861 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 56.1106, 0.4393, 0.4861 by changing the saturation by 10% instead.





 56.1106, 0.4393,  
0.4861


 56.1106, 0.4393,  
0.4861


410.1082, 0.3874,  
0.4183


 40.2916, 0.4475,  
0.4981

 99.1663, 0.4239,  
0.4649


 27.7660, 0.4554,  
0.5107


 127.1717, 0.4170,  
0.4559


 18.1493, 0.4627,  
0.5241


 160.0081, 0.4108,  
0.4478

 11.0572, 0.4656,  
0.5344

 198.0599, 0.4052,  
0.4406

 6.1054, 0.4607,  
0.5393

 241.7114, 0.4001,  
0.4341

 2.9092, 0.4531,  
0.5469

 291.3470, 0.3954,

 1.0845, 0.4395,

0.4283

0.5605

347.3511, 0.3912,  
0.4230

0.0000, 0.0000,  
0.0000

56.1106, 0.4393,  
0.4861

56.1106, 0.4393,  
0.4861

55.2570, 0.4424,  
0.4869

57.4497, 0.4328,  
0.4820

58.8935, 0.4235,  
0.4735

60.4583, 0.4116,  
0.4605

62.1553, 0.3975,  
0.4438

63.9942, 0.3820,  
0.4242

■ 65.9839, 0.3656,  
0.4027

■ 68.1321, 0.3491,  
0.3804

■ 70.4462, 0.3330,  
0.3579

■ 72.9330, 0.3175,  
0.3359

# Harmonies

## Analogous

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



56.1106, 0.5015, 0.4171



56.1106, 0.4393, 0.4861



56.1106, 0.3502, 0.5233

# Triad

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



56.1106, 0.4393, 0.4861



56.1106, 0.1483, 0.2611



56.1106, 0.3469, 0.2253

# Complementary

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



56.1106, 0.4393, 0.4861



6.9483, 0.1558, 0.0758

# 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.



56.1106, 0.2477, 0.1903



56.1106, 0.4393, 0.4861



56.1106, 0.1484, 0.2015

# Square

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



56.1106, 0.4393, 0.4861



56.1106, 0.1836, 0.3660



56.1106, 0.1808, 0.1810



56.1106, 0.4511, 0.2803



# Rectangle

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



56.1106, 0.4393, 0.4861



56.1106, 0.2868, 0.5049



56.1106, 0.1808, 0.1810



56.1106, 0.3112, 0.2110

# Sweetspot

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



56.1133, 0.4393, 0.4861



90.8741, 0.3573, 0.3915



16.2014, 0.6086, 0.3178



19.1842, 0.3645, 0.4012



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.



56.1133, 0.4393, 0.4861



74.7724, 0.4426, 0.4867



58.9808, 0.3586, 0.5499



15.7338, 0.3270, 0.3494



32.6064, 0.4421, 0.4872



2.3404, 0.4381, 0.4904



# Inverse Universe

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



6.9483, 0.1558, 0.0758



8.1806, 0.1520, 0.0671



7.9092, 0.1855, 0.0823



13.5071, 0.2981, 0.3077



3.6738, 0.1526, 0.0692

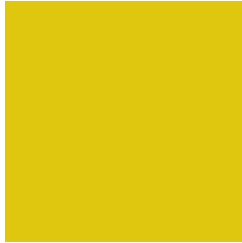


0.3435, 0.1583, 0.0897



# Previews

## White Background



This preview shows how the Yxy color 56.1106, 0.4393, 0.4861 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 56.1106, 0.4393, 0.4861 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 56.1106, 0.4393, 0.4861**

## **Background**



This preview shows how black text looks on a background with the Yxy color 56.1106, 0.4393, 0.4861.



This preview shows how white text looks on a background with the Yxy color 56.1106, 0.4393, 0.4861.

# 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

56.1106, 0.4393, 0.4861

### Protanopia

56.1106, 0.4393, 0.4861

### Deuteranopia

55.7642, 0.4689, 0.4583



## Tritanopia

55.8506, 0.3440, 0.3136

# Trichromacy



## Original Color

56.1106, 0.4393, 0.4861

## Protanomaly

56.1106, 0.4393, 0.4861

## Deuteranomaly

55.8487, 0.4588, 0.4682

## Tritanomaly

54.8569, 0.3953, 0.3948

# Monochromacy



## Original Color

56.1106, 0.4393, 0.4861

## Achromatopsia

48.5150, 0.3127, 0.3290

## Achromatomaly

50.3991, 0.3733, 0.4131

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 56.1106, 0.4393, 0.4861 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(223, 198, 15)` looks like.

```
.text, #text, p{  
    color:rgb(223, 198, 15)  
}
```

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(223, 198, 15) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 198, 15) }
```

## Border

The CSS property to change the border of an element to Yxy 56.1106, 0.4393, 0.4861 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(223, 198, 15) }
```

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

```
.border{ border-color:rgb(223, 198, 15) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 198, 15)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 198, 15); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 198, 15);  
box-shadow:4px 4px 4px 4px rgb(223, 198,  
15) }
```



# Background

The CSS property to change the background color of an element to Yxy 56.1106, 0.4393, 0.4861 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 198, 15) }
```

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

```
.background{ background-color: rgb(223,  
198, 15) }
```

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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