

# Converting Colors

Yxy(56.6263, 0.4442, 0.4855)

Have a look what the booklet for  
Yxy(56.6263, 0.4442, 0.4855)  
contains.

<b>Yxy(56.7191, 0.4441, 0.4856)</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(56.7191, 0.4441, 0.4856)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E3C600
RGB	227, 198, 0
RGB Percent	89%, 78%, 0%
CMY	0.1098, 0.2235, 1.0000
CMYK	0.00, 0.13, 1.00, 0.11
HSL	52°, 100%, 45%
HSV	52°, 100%, 89%
XYZ	51.8718, 56.7191, 8.2112
YIQ	184.0990, 80.8420, -55.4300

# Conversions

## Conversions Part 2

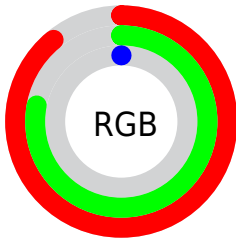
Format	Color
R <sub>Y</sub> B	33, 227, 0
Decimal	14927360
CIE Lab	80.02, -5.28, 81.06
CIE LCh	80, 81.228, 93.729
Yxy	56.7191, 0.4441, 0.4856
Android (android.graphics.Color)	4293117440 (0xFFE3C600)
YUV	184.0990, -90.7608, 37.6242
Hunter-Lab	75.3121, -8.8528, 46.2541

# Details

The Yxy color **56.7191, 0.4441, 0.4856** is a dark color, and the websafe version is hex **FFCC00**. The color can be described as middle washed yellow. A complement of this color would be **6.4241, 0.1524, 0.0684**, and the grayscale version is **48.4703, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.7837, 0.4051, 0.4802**, and **28.4663, 0.4444, 0.4854** is the 20% darker color. If you saturate the color by 10%, you get **56.7220, 0.4441, 0.4856**, and if you desaturate by 10%, it is **58.1208, 0.4389, 0.4841**.

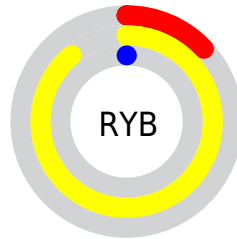
# Distribution



Red (89%)

Green (78%)

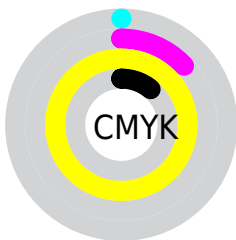
Blue (0%)



Red (13%)

Yellow (89%)

Blue (0%)

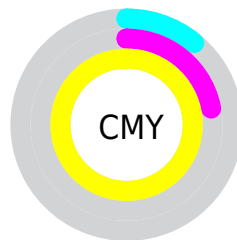


Cyan (0%)

Magenta (13%)

Yellow (100%)

Black (11%)



Cyan (11%)

Magenta (22%)


Yellow (100%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 56.7191, 0.4441, 0.4856 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 56.7191, 0.4441, 0.4856 by changing the saturation by 10% instead.





 56.7191, 0.4441,  
0.4856

 56.7191, 0.4441,  
0.4856


412.3959, 0.3905,  
0.4191

 40.7798, 0.4525,  
0.4970


 100.0552, 0.4283,  
0.4652


 28.1470, 0.4605,  
0.5087


 128.2208, 0.4212,  
0.4563

 18.4365, 0.4684,  
0.5213


 161.2305, 0.4148,  
0.4484

 11.2638, 0.4707,  
0.5293

 199.4688, 0.4089,  
0.4413

 6.2446, 0.4671,  
0.5329

 243.3201, 0.4037,  
0.4349

 2.9944, 0.4614,  
0.5386

 293.1688, 0.3989,

 1.1288, 0.4513,

0.4291

0.5487

349.3993, 0.3945,  
0.4238

■ 0.0024, 0.0000,  
1.0000

■ 0.0000, 0.0000,  
0.0000

■ 56.7191, 0.4441,  
0.4856

■ 56.7191, 0.4441,  
0.4856

■ 56.7220, 0.4441,  
0.4856

■ 58.1208, 0.4389,  
0.4841

■ 59.6163, 0.4313,  
0.4788

■ 61.2316, 0.4209,  
0.4688

■ 62.9799, 0.4079,  
0.4547

■ 64.8725, 0.3931,  
0.4370

■ 66.9192, 0.3771,  
0.4168

■ 69.1289, 0.3605,  
0.3951

■ 71.5095, 0.3439,  
0.3727

■ 74.0686, 0.3279,  
0.3505

# Harmonies

## Analogous

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



56.7191, 0.5060, 0.4147



56.7191, 0.4441, 0.4856



56.7191, 0.3542, 0.5268

# Triad

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



56.7191, 0.4441, 0.4856



56.7191, 0.1465, 0.2632



56.7191, 0.3428, 0.2218

# Complementary

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



56.7191, 0.4441, 0.4856



6.4241, 0.1524, 0.0684

# 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.



56.7191, 0.2429, 0.1874



56.7191, 0.4441, 0.4856



56.7191, 0.1455, 0.2010

# Square

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



56.7191, 0.4441, 0.4856



56.7191, 0.1837, 0.3717



56.7191, 0.1767, 0.1790



56.7191, 0.4498, 0.2768



# Rectangle

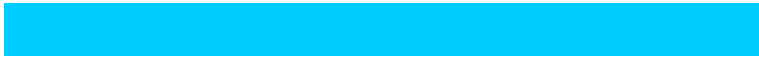
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



56.7191, 0.4441, 0.4856



56.7191, 0.2898, 0.5112



56.7191, 0.1767, 0.1790



56.7191, 0.3067, 0.2077

# Sweetspot

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



56.7220, 0.4441, 0.4856



89.9386, 0.3608, 0.3955



16.4256, 0.6249, 0.3216



18.9840, 0.3679, 0.4048



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.



56.7220, 0.4441, 0.4856



73.7333, 0.4443, 0.4855



60.8449, 0.3556, 0.5558



16.4866, 0.3271, 0.3493



33.2018, 0.4437, 0.4859



2.5417, 0.4396, 0.4892



# Inverse Universe

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



6.4241, 0.1524, 0.0684



8.2838, 0.1522, 0.0678



7.3955, 0.1780, 0.0754



14.1823, 0.2980, 0.3078



3.8392, 0.1528, 0.0699



0.3804, 0.1584, 0.0902



# Previews

## White Background



This preview shows how the Yxy color 56.7191, 0.4441, 0.4856 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 56.7191, 0.4441, 0.4856 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 56.7191, 0.4441, 0.4856**

## **Background**



This preview shows how black text looks on a background with the Yxy color 56.7191, 0.4441, 0.4856.



This preview shows how white text looks on a background with the Yxy color 56.7191, 0.4441, 0.4856.

# 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

56.7191, 0.4441, 0.4856

### Protanopia

56.7051, 0.4402, 0.4876

### Deuteranopia

56.5416, 0.4702, 0.4589



## Tritanopia

56.5353, 0.3474, 0.3138

# Trichromacy



## Original Color

56.7191, 0.4441, 0.4856

## Protanomaly

56.8610, 0.4412, 0.4872

## Deuteranomaly

56.6110, 0.4606, 0.4693

## Tritanomaly

55.3940, 0.4028, 0.3992

# Monochromacy



## Original Color

56.7191, 0.4441, 0.4856

## Achromatopsia

47.9320, 0.3127, 0.3290

## Achromatomaly

49.9589, 0.3792, 0.4189

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 56.7191, 0.4441, 0.4856 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(227, 198, 0)` looks like.

```
.text, #text, p{  
    color:rgb(227, 198, 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(227, 198, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 198, 0) }
```

## Border

The CSS property to change the border of an element to Yxy 56.7191, 0.4441, 0.4856 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(227, 198, 0) }
```

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

```
.border{ border-color:rgb(227, 198, 0) }
```

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

Here you see how a box with a 4 pixel rgb(227, 198, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 198, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 198, 0);  
box-shadow:4px 4px 4px 4px rgb(227, 198,  
0) }
```



# Background

The CSS property to change the background color of an element to Yxy 56.7191, 0.4441, 0.4856 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 198, 0) }
```

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

```
.background{ background-color: rgb(227,  
198, 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](#).

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