

# Converting Colors

Yxy(53.9486, 0.4364, 0.4685)

Have a look what the booklet for  
Yxy(53.9486, 0.4364, 0.4685)  
contains.

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**Color**

**Yxy(53.7856, 0.4370, 0.4683)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E0C033
RGB	224, 192, 51
RGB Percent	88%, 75%, 20%
CMY	0.1215, 0.2471, 0.7997
CMYK	0.00, 0.14, 0.77, 0.12
HSL	49°, 74%, 54%
HSV	49°, 77%, 88%
XYZ	50.1907, 53.7856, 10.8766
YIQ	185.4940, 64.3330, -37.0670

# Conversions

## Conversions Part 2

Format	Color
R <sub>Y</sub> B	90, 224, 51
Decimal	14729267
CIE Lab	78.34, -2.48, 69.85
CIE LCh	78, 69.895, 92.036
Yxy	53.7856, 0.4370, 0.4683
Android (android.graphics.Color)	4292919347 (0xFFE0C033)
YUV	185.4940, -66.3055, 33.7698
Hunter-Lab	73.3387, -6.1828, 42.5440

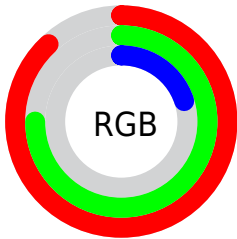
# Details

The Yxy color **53.7856, 0.4370, 0.4683** is a light color, and the websafe version is hex **FFCC33**.

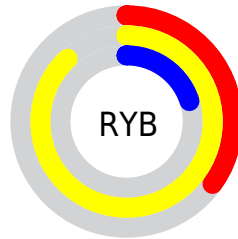
The color can be described as light washed yellow. A complement of this color would be **12.2871, 0.1754, 0.1203**, and the grayscale version is **49.1620, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.4775, 0.3988, 0.4604**, and **26.4646, 0.4498, 0.4810** is the 20% darker color. If you saturate the color by 10%, you get **51.8405, 0.4474, 0.4742**, and if you desaturate by 10%, it is **55.8823, 0.4238, 0.4578**.

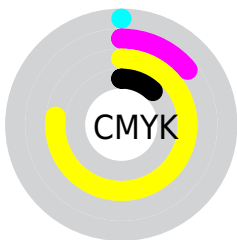
# Distribution



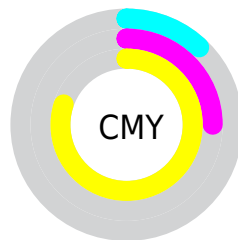
- Red (88%)
- Green (75%)
- Blue (20%)



- Red (35%)
- Yellow (88%)
- Blue (20%)



- Cyan (0%)
- Magenta (14%)
- Yellow (77%)
- Black (12%)




- Cyan (12%)
- Magenta (25%)
- Yellow (80%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 53.7856, 0.4370, 0.4683 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 53.7856, 0.4370, 0.4683 by changing the saturation by 10% instead.




 53.7856, 0.4370,  
0.4683

 53.7856, 0.4370,  
0.4683

401.2919, 0.3830,  
0.4067


 38.4303, 0.4468,  
0.4799


 95.7594, 0.4200,  
0.4486

 26.3168, 0.4572,  
0.4923


 123.1466, 0.4127,  
0.4403


 17.0608, 0.4672,  
0.5049


 155.3133, 0.4063,  
0.4330

 10.2778, 0.4793,  
0.5207

 192.6438, 0.4006,  
0.4266

 5.5836, 0.4775,  
0.5225

 235.5225, 0.3955,  
0.4208

 2.5936, 0.4746,  
0.5254

 284.3338, 0.3909,

 0.9234, 0.4693,

0.4156

0.5307

339.4622, 0.3867,  
0.4109

■ 0.0000, 0.0000,  
0.0000

■ 53.7856, 0.4370,  
0.4683

■ 53.7856, 0.4370,  
0.4683

■ 51.8405, 0.4474,  
0.4742

■ 55.8823, 0.4238,  
0.4578

■ 50.0229, 0.4549,  
0.4755


■ 58.1353, 0.4085,  
0.4433


■ 49.5295, 0.4568,  
0.4755


■ 60.5579, 0.3917,  
0.4257


■ 63.1596, 0.3742,  
0.4060

■ 65.9489, 0.3567,  
0.3851

 68.9338, 0.3398,  
0.3641

 72.1216, 0.3236,  
0.3434

 75.5191, 0.3086,  
0.3236

 79.1328, 0.2948,  
0.3049

# Harmonies

## Analogous

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



53.7856, 0.4877, 0.4066



53.7856, 0.4370, 0.4683



53.7856, 0.3579, 0.5017

# Triad

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



53.7856, 0.4370, 0.4683



53.7856, 0.1642, 0.2771



53.7856, 0.3346, 0.2304

# Complementary

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



53.7856, 0.4370, 0.4683



12.2871, 0.1754, 0.1203

# 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.



53.7856, 0.2470, 0.2000



53.7856, 0.4370, 0.4683



53.7856, 0.1607, 0.2175

# Square

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



53.7856, 0.4370, 0.4683



53.7856, 0.2015, 0.3732



53.7856, 0.1880, 0.1942



53.7856, 0.4285, 0.2802



# Rectangle

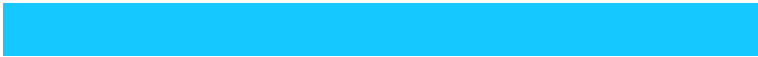
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



53.7856, 0.4370, 0.4683



53.7856, 0.2999, 0.4884



53.7856, 0.1880, 0.1942



53.7856, 0.3030, 0.2178

# Sweetspot

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



53.7882, 0.4370, 0.4683



90.0503, 0.3498, 0.3766



18.8893, 0.5325, 0.2994



18.9684, 0.3561, 0.3843



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.



53.7882, 0.4370, 0.4683



67.9460, 0.4526, 0.4755



62.3399, 0.3708, 0.5218



15.5756, 0.3272, 0.3480



28.9853, 0.4561, 0.4760



2.1223, 0.4494, 0.4813



# Inverse Universe

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



12.2871, 0.1754, 0.1203



10.7643, 0.1583, 0.0852



10.6376, 0.1976, 0.1039



13.6516, 0.2981, 0.3093



4.1963, 0.1549, 0.0777



0.4118, 0.1624, 0.1044



# Previews

## White Background



This preview shows how the Yxy color 53.7856, 0.4370, 0.4683 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

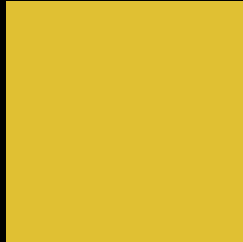
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 53.7856, 0.4370, 0.4683 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 53.7856, 0.4370, 0.4683**

## **Background**



This preview shows how black text looks on a background with the Yxy color 53.7856, 0.4370, 0.4683.



This preview shows how white text looks on a background with the Yxy color 53.7856, 0.4370, 0.4683.

# 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

53.7856, 0.4370, 0.4683

### Protanopia

53.7369, 0.4298, 0.4730

### Deuteranopia

53.6115, 0.4586, 0.4487



## Tritanopia

53.5829, 0.3492, 0.3135

# Trichromacy



## Original Color

53.7856, 0.4370, 0.4683

## Protanomaly

53.6035, 0.4323, 0.4710

## Deuteranomaly

53.6399, 0.4505, 0.4557

## Tritanomaly

53.0271, 0.3894, 0.3783

# Monochromacy



## Original Color

53.7856, 0.4370, 0.4683

## Achromatopsia

49.1021, 0.3127, 0.3290

## Achromatomaly

50.0519, 0.3640, 0.3933

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  53.7856, 0.4370, 0.4683 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(224, 192, 51)` looks like.

```
.text, #text, p{  
    color:rgb(224, 192, 51)  
}
```

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(224, 192, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 192, 51) }
```

## Border

The CSS property to change the border of an element to Yxy 53.7856, 0.4370, 0.4683 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(224, 192, 51) }
```

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

```
.border{ border-color:rgb(224, 192, 51) }
```

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

Here you see how a box with a 4 pixel rgb(224, 192, 51) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 192, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 192, 51);  
box-shadow:4px 4px 4px 4px rgb(224, 192,  
51) }
```



# Background

The CSS property to change the background color of an element to Yxy 53.7856, 0.4370, 0.4683 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 192, 51) }
```

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

```
.background{ background-color: rgb(224,  
192, 51) }
```

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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