

# Converting Colors

$Yxy(55.9677, 0.4221, 0.4251)$

Have a look what the booklet for  
Yxy(55.9677, 0.4221, 0.4251)  
contains.

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# Color

**Yxy(56.0341, 0.4216, 0.4251)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ECBF65
RGB	236, 191, 101
RGB Percent	93%, 75%, 40%
CMY	0.0745, 0.2510, 0.6038
CMYK	0.00, 0.19, 0.57, 0.07
HSL	40°, 78%, 66%
HSV	40°, 57%, 93%
XYZ	55.5728, 56.0341, 20.2071
YIQ	194.1950, 55.7100, -18.4500

# Conversions

## Conversions Part 2

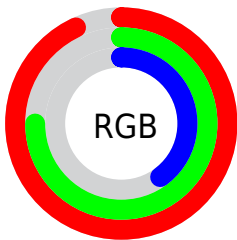
<b>Format</b>	<b>Color</b>
<b>RYB</b>	169, 236, 101
Decimal	15515493
CIELab	79.63, 5.89, 50.80
CIELCh	80, 51.144, 83.392
Yxy	56.0341, 0.4216, 0.4251
Android (android.graphics.Color)	4293705573 (0xFFECCBF65)
YUV	194.1950, -45.9451, 36.6630
Hunter-Lab	74.8559, 1.5198, 36.3940

# Details

The Yxy color **56.0341, 0.4216, 0.4251** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **29.3912, 0.2145, 0.2047**, and the grayscale version is **54.3262, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.1146, 0.3751, 0.4207**, and **27.7544, 0.4450, 0.4444** is the 20% darker color. If you saturate the color by 10%, you get **52.2985, 0.4423, 0.4372**, and if you desaturate by 10%, it is **60.0923, 0.4003, 0.4101**.

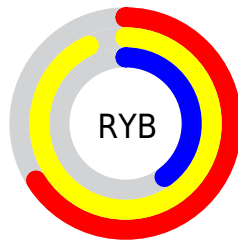
# Distribution



Red (93%)

Green (75%)

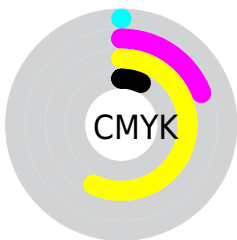
Blue (40%)



Red (66%)

Yellow (93%)

Blue (40%)

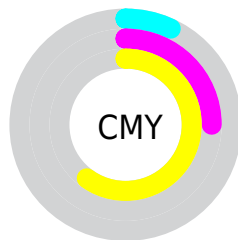


Cyan (0%)

Magenta (19%)

Yellow (57%)

Black (7%)



Cyan (7%)

Magenta (25%)

Yellow (60%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 56.0341, 0.4216, 0.4251 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 56.0341, 0.4216, 0.4251 by changing the saturation by 10% instead.



56.0341, 0.4216,  
0.4251

56.0341, 0.4216,  
0.4251

409.8200, 0.3709,  
0.3817

40.2303, 0.4326,  
0.4340

99.0544, 0.4043,  
0.4107

27.7181, 0.4456,  
0.4443

127.0397, 0.3975,  
0.4048

18.1133, 0.4610,  
0.4560

159.8543, 0.3915,  
0.3997

11.0314, 0.4787,  
0.4683

197.8825, 0.3863,  
0.3952

6.0879, 0.5086,  
0.4898

241.5088, 0.3818,  
0.3913

2.8986, 0.5155,  
0.4845

291.1175, 0.3777,

1.0790, 0.5262,

0.3877

0.4738

347.0931, 0.3741,  
0.3846

0.0000, 1.0000,  
0.0000

0.0000, 0.0000,  
0.0000

56.0341, 0.4216,  
0.4251

56.0341, 0.4216,  
0.4251

52.2985, 0.4423,  
0.4372

60.0923, 0.4003,  
0.4101

48.8627, 0.4615,  
0.4453


64.4781, 0.3794,  
0.3932

45.7128, 0.4780,  
0.4485


69.2061, 0.3594,  
0.3756


42.8280, 0.4912,  
0.4465


74.2878, 0.3409,  
0.3580

 42.0560, 0.4947,  
0.4454

 79.7334, 0.3239,  
0.3408

 85.5531, 0.3086,  
0.3245

 91.0113, 0.3012,  
0.3201

 95.9013, 0.3011,  
0.3279

 96.5725, 0.3011,  
0.3290

# Harmonies

## Analogous

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



56.0341, 0.4462, 0.3790



56.0341, 0.4216, 0.4251



56.0341, 0.3687, 0.4514

# Triad

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



56.0341, 0.4216, 0.4251



56.0341, 0.2064, 0.3121



56.0341, 0.3101, 0.2454

# Complementary

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



56.0341, 0.4216, 0.4251



29.3912, 0.2145, 0.2047

# 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.



56.0341, 0.2492, 0.2269



56.0341, 0.4216, 0.4251



56.0341, 0.1947, 0.2580

# Square

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



56.0341, 0.4216, 0.4251



56.0341, 0.2448, 0.3821



56.0341, 0.2094, 0.2300



56.0341, 0.3787, 0.2812



# Rectangle

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



56.0341, 0.4216, 0.4251



56.0341, 0.3257, 0.4477



56.0341, 0.2094, 0.2300



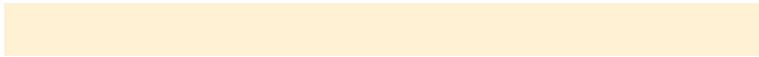
56.0341, 0.2880, 0.2371

# Sweetspot

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



56.0368, 0.4216, 0.4251



88.6394, 0.3407, 0.3578



29.2935, 0.4235, 0.2781



18.7033, 0.3443, 0.3613



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.



56.0368, 0.4216, 0.4251



61.4603, 0.4465, 0.4393



75.4914, 0.3792, 0.4725



16.7318, 0.3276, 0.3447



23.4301, 0.4931, 0.4467



2.0154, 0.4803, 0.4568



# Inverse Universe

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



29.3912, 0.2145, 0.2047



26.9772, 0.1950, 0.1735



19.4555, 0.2152, 0.1510



15.3694, 0.2980, 0.3128



6.6075, 0.1634, 0.1082



0.6900, 0.1711, 0.1358



# Previews

## White Background



This preview shows how the Yxy color 56.0341, 0.4216, 0.4251 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

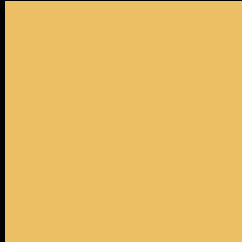
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 56.0341, 0.4216, 0.4251 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 56.0341, 0.4216, 0.4251**

## **Background**



This preview shows how black text looks on a background with the Yxy color 56.0341, 0.4216, 0.4251.



This preview shows how white text looks on a background with the Yxy color 56.0341, 0.4216, 0.4251.

# 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

56.0341, 0.4216, 0.4251

### Protanopia

56.2729, 0.4003, 0.4369

### Deuteranopia

55.9804, 0.4290, 0.4188



## Tritanopia

55.7707, 0.3568, 0.3140

# Trichromacy



## Original Color

56.0341, 0.4216, 0.4251

## Protanomaly

55.9971, 0.4088, 0.4322

## Deuteranomaly

55.8798, 0.4257, 0.4208

## Tritanomaly

55.5198, 0.3828, 0.3557

# Monochromacy



## Original Color

56.0341, 0.4216, 0.4251

## Achromatopsia

53.9479, 0.3127, 0.3290

## Achromatomaly

54.2333, 0.3519, 0.3691

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 56.0341, 0.4216, 0.4251 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(236, 191, 101)` looks like.

```
.text, #text, p{  
  color:rgb(236, 191, 101)  
}
```

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(236, 191, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 191, 101) }
```

## Border

The CSS property to change the border of an element to Yxy 56.0341, 0.4216, 0.4251 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(236, 191, 101) }
```

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

```
.border{ border-color:rgb(236, 191, 101) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 191, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 191, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 191, 101);  
box-shadow:4px 4px 4px 4px rgb(236, 191,  
101) }
```



# Background

The CSS property to change the background color of an element to Yxy 56.0341, 0.4216, 0.4251 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 191, 101) }
```

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

```
.background{ background-color: rgb(236,  
191, 101) }
```

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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