

# Converting Colors

$Yxy(58.7042, 0.3990, 0.4057)$

Have a look what the booklet for  
Yxy(58.7042, 0.3990, 0.4057)  
contains.

<b>Yxy(58.6743, 0.3992, 0.4050)</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(58.6743, 0.3992, 0.4050)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EBC47F
RGB	235, 196, 127
RGB Percent	92%, 77%, 50%
CMY	0.0784, 0.2314, 0.5018
CMYK	0.00, 0.17, 0.46, 0.08
HSL	38°, 73%, 71%
HSV	38°, 46%, 92%
XYZ	57.8340, 58.6743, 28.3665
YIQ	199.7950, 45.3930, -13.1910

# Conversions

## Conversions Part 2

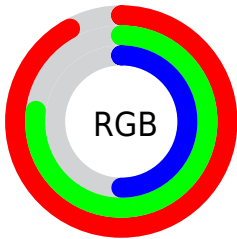
Format	Color
R <sub>Y</sub> B	188, 235, 127
Decimal	15451263
CIE Lab	81.11, 5.11, 39.70
CIE LCh	81, 40.026, 82.671
Yxy	58.6743, 0.3992, 0.4050
Android (android.graphics.Color)	4293641343 (0xFFEBC47F)
YUV	199.7950, -35.8879, 30.8748
Hunter-Lab	76.5992, 0.7229, 31.6629

# Details

The Yxy color **58.6743, 0.3992, 0.4050** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **37.7975, 0.2350, 0.2375**, and the grayscale version is **57.8334, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.2170, 0.3575, 0.3991**, and **29.2149, 0.4202, 0.4218** is the 20% darker color. If you saturate the color by 10%, you get **54.4120, 0.4213, 0.4198**, and if you desaturate by 10%, it is **63.3017, 0.3777, 0.3886**.

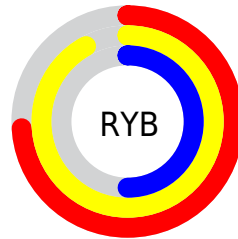
# Distribution



Red (92%)

Green (77%)

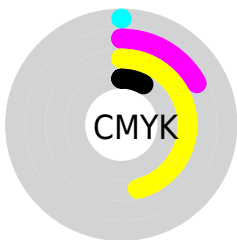
Blue (50%)



Red (74%)

Yellow (92%)

Blue (50%)

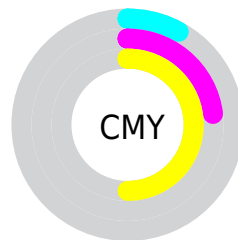


Cyan (0%)

Magenta (17%)

Yellow (46%)

Black (8%)



Cyan (8%)

Magenta (23%)

Yellow (50%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 58.6743, 0.3992, 0.4050 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 58.6743, 0.3992, 0.4050 by changing the saturation by 10% instead.




 58.6743, 0.3992,  
0.4050

 58.6743, 0.3992,  
0.4050


419.6939, 0.3584,  
0.3700


 42.3510, 0.4084,  
0.4127


 102.9041, 0.3850,  
0.3931

 29.3762, 0.4197,  
0.4218


 131.5795, 0.3795,  
0.3883

 19.3656, 0.4336,  
0.4328


 165.1409, 0.3748,  
0.3842

 11.9348, 0.4508,  
0.4460

203.9729, 0.3706,  
0.3807

 6.6993, 0.4720,  
0.4609

248.4598, 0.3670,  
0.3775

 3.2747, 0.5109,  
0.4891

298.9860, 0.3638,

 1.2768, 0.5194,

0.3747

0.4806

355.9359, 0.3609,  
0.3722

0.1231, 0.6625,  
0.3375

0.0000, 0.0000,  
0.0000

58.6743, 0.3992,  
0.4050

58.6743, 0.3992,  
0.4050

54.4120, 0.4213,  
0.4198

63.3017, 0.3777,  
0.3886

50.4929, 0.4433,  
0.4318


68.2985, 0.3575,  
0.3716


46.9047, 0.4639,  
0.4399


73.6792, 0.3388,  
0.3547

43.6305, 0.4821,  
0.4431

79.4549, 0.3219,  
0.3383

 40.6498, 0.4970,  
0.4411

 85.6359, 0.3068,  
0.3228

 39.5127, 0.5024,  
0.4393

 91.3641, 0.3006,  
0.3210

 96.4027, 0.3005,  
0.3290

# Harmonies

## Analogous

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



58.6743, 0.4163, 0.3698



58.6743, 0.3992, 0.4050



58.6743, 0.3591, 0.4229

# Triad

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



58.6743, 0.3992, 0.4050



58.6743, 0.2295, 0.3186



58.6743, 0.3101, 0.2619

# Complementary

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



58.6743, 0.3992, 0.4050



37.7975, 0.2350, 0.2375

# 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.



58.6743, 0.2623, 0.2476



58.6743, 0.3992, 0.4050



58.6743, 0.2189, 0.2755

# Square

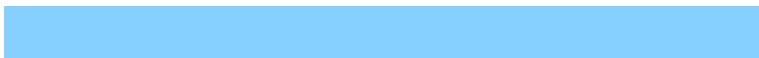
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



58.6743, 0.3992, 0.4050



58.6743, 0.2613, 0.3708



58.6743, 0.2303, 0.2514



58.6743, 0.3627, 0.2908



# Rectangle

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



58.6743, 0.3992, 0.4050



58.6743, 0.3257, 0.4189



58.6743, 0.2303, 0.2514



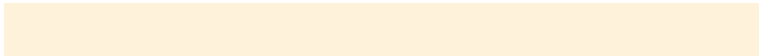
58.6743, 0.2929, 0.2553

# Sweetspot

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



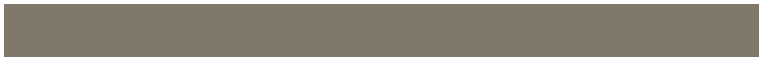
58.6771, 0.3992, 0.4050



89.9569, 0.3355, 0.3516



35.6261, 0.3900, 0.2848



18.9414, 0.3393, 0.3552



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.



58.6771, 0.3992, 0.4050



65.8396, 0.4198, 0.4188



76.2620, 0.3699, 0.4460



16.6587, 0.3277, 0.3440



22.2406, 0.5007, 0.4406



1.9278, 0.4865, 0.4519



# Inverse Universe

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



37.7975, 0.2350, 0.2375



37.9063, 0.2189, 0.2149



26.8862, 0.2360, 0.1886



15.4396, 0.2980, 0.3135



7.1646, 0.1654, 0.1155



0.7396, 0.1731, 0.1432



# Previews

## White Background



This preview shows how the Yxy color 58.6743, 0.3992, 0.4050 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

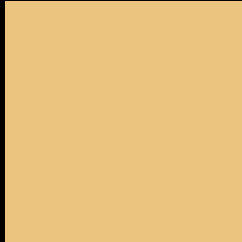
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 58.6743, 0.3992, 0.4050 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 58.6743, 0.3992, 0.4050**

## **Background**



This preview shows how black text looks on a background with the Yxy color 58.6743, 0.3992, 0.4050.



This preview shows how white text looks on a background with the Yxy color 58.6743, 0.3992, 0.4050.

# 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

58.6743, 0.3992, 0.4050

### Protanopia

58.8861, 0.3811, 0.4134

### Deuteranopia

58.7531, 0.4069, 0.3989



## Tritanopia

58.6349, 0.3477, 0.3140

# Trichromacy



**Original Color**

58.6743, 0.3992, 0.4050

**Protanomaly**

58.8746, 0.3879, 0.4108

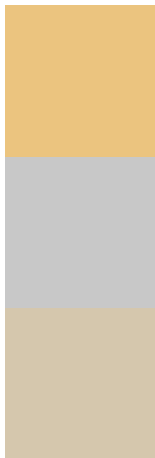
**Deuteranomaly**

58.6674, 0.4038, 0.4007

**Tritanomaly**

58.2336, 0.3671, 0.3468

# Monochromacy



**Original Color**

58.6743, 0.3992, 0.4050

**Achromatopsia**

57.7580, 0.3127, 0.3290

**Achromatomaly**

58.0101, 0.3437, 0.3598

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 58.6743, 0.3992, 0.4050 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(235, 196, 127)` looks like.

```
.text, #text, p{  
    color:rgb(235, 196, 127)  
}
```

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(235, 196, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 196, 127) }
```

## Border

The CSS property to change the border of an element to Yxy 58.6743, 0.3992, 0.4050 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(235, 196, 127) }
```

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

```
.border{ border-color:rgb(235, 196, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 196, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 196, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 196, 127);  
box-shadow:4px 4px 4px 4px rgb(235, 196,  
127) }
```



# Background

The CSS property to change the background color of an element to Yxy 58.6743, 0.3992, 0.4050 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 196, 127) }
```

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

```
.background{ background-color: rgb(235,  
196, 127) }
```

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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