

# Converting Colors

$Yxy(58.9604, 0.3879, 0.3999)$

Have a look what the booklet for  
Yxy(58.9604, 0.3879, 0.3999)  
contains.

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# **Color**

**Yxy(58.9604, 0.3879, 0.3999)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E6C687
RGB	230, 198, 135
RGB Percent	90%, 78%, 53%
CMY	0.0982, 0.2235, 0.4706
CMYK	0.00, 0.14, 0.41, 0.10
HSL	40°, 65%, 72%
HSV	40°, 41%, 90%
XYZ	57.1911, 58.9604, 31.2863
YIQ	200.3860, 39.2950, -12.8090

# Conversions

## Conversions Part 2

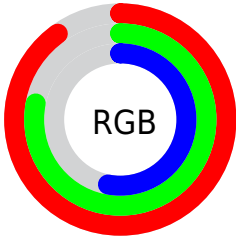
Format	Color
<a href="#">RYB</a>	<a href="#">183, 230, 135</a>
Decimal	<a href="#">15124103</a>
CIELab	<a href="#">81.27, 2.85, 35.73</a>
CIELCh	<a href="#">81, 35.844, 85.438</a>
Yxy	<a href="#">58.9604, 0.3879, 0.3999</a>
Android (android.graphics.Color)	<a href="#">4293314183 (0xFFE6C687)</a>
YUV	<a href="#">200.3860, -32.2353, 25.9715</a>
Hunter-Lab	<a href="#">76.7857, -1.4254, 29.5923</a>

# Details

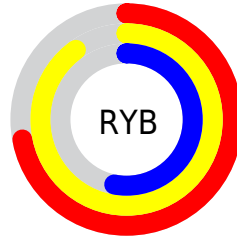
The Yxy color **58.9604, 0.3879, 0.3999** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **38.4773, 0.2428, 0.2454**, and the grayscale version is **58.1930, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.4541, 0.3520, 0.3939**, and **29.4708, 0.4067, 0.4160** is the 20% darker color. If you saturate the color by 10%, you get **54.9370, 0.4091, 0.4160**, and if you desaturate by 10%, it is **63.3098, 0.3675, 0.3826**.

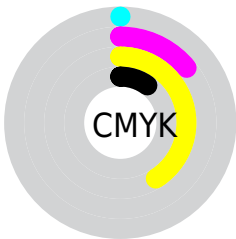
# Distribution



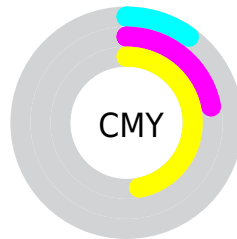
- Red (90%)
- Green (78%)
- Blue (53%)



- Red (72%)
- Yellow (90%)
- Blue (53%)



- Cyan (0%)
- Magenta (14%)
- Yellow (41%)
- Black (10%)




- Cyan (10%)
- Magenta (22%)
- Yellow (47%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 58.9604, 0.3879, 0.3999 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 58.9604, 0.3879, 0.3999 by changing the saturation by 10% instead.





 58.9604, 0.3879,  
0.3999


 58.9604, 0.3879,  
0.3999


420.7551, 0.3523,  
0.3668


 42.5812, 0.3960,  
0.4073


 103.3201, 0.3755,  
0.3885

 29.5567, 0.4060,  
0.4164


 132.0694, 0.3707,  
0.3840

 19.5023, 0.4184,  
0.4274


 165.7110, 0.3666,  
0.3801

 12.0338, 0.4340,  
0.4412

204.6291, 0.3630,  
0.3768

 6.7667, 0.4538,  
0.4579

249.2081, 0.3598,  
0.3738

 3.3166, 0.4956,  
0.4946

299.8326, 0.3570,

 1.2992, 0.5053,

0.3712

0.4947

356.8868, 0.3545,  
0.3689

0.1406, 0.5911,  
0.4089

0.0000, 0.0000,  
0.0000

58.9604, 0.3879,  
0.3999

58.9604, 0.3879,  
0.3999

54.9370, 0.4091,  
0.4160

63.3098, 0.3675,  
0.3826

51.2196, 0.4304,  
0.4300

67.9879, 0.3483,  
0.3650


47.7980, 0.4507,  
0.4405

73.0075, 0.3307,  
0.3477

44.6579, 0.4690,  
0.4467


78.3783, 0.3147,  
0.3311

 41.7822, 0.4843,  
0.4477

 84.1095, 0.3003,  
0.3155

 39.4723, 0.4953,  
0.4449

 88.9972, 0.2974,  
0.3184

 93.7613, 0.2975,  
0.3261

 95.5567, 0.2975,  
0.3290

# Harmonies

## Analogous

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



58.9604, 0.4051, 0.3697



58.9604, 0.3879, 0.3999



58.9604, 0.3508, 0.4129

# Triad

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



58.9604, 0.3879, 0.3999



58.9604, 0.2361, 0.3161



58.9604, 0.3150, 0.2702

# Complementary

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



58.9604, 0.3879, 0.3999



38.4773, 0.2428, 0.2454

# 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.



58.9604, 0.2710, 0.2559



58.9604, 0.3879, 0.3999



58.9604, 0.2281, 0.2786

# Square

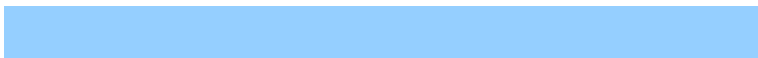
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



58.9604, 0.3879, 0.3999



58.9604, 0.2634, 0.3621



58.9604, 0.2403, 0.2581



58.9604, 0.3615, 0.2976



# Rectangle

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



58.9604, 0.3879, 0.3999



58.9604, 0.3205, 0.4072



58.9604, 0.2403, 0.2581



58.9604, 0.2994, 0.2638

# Sweetspot

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



58.9632, 0.3879, 0.3999



91.7914, 0.3320, 0.3490



36.9800, 0.3806, 0.2909



19.4643, 0.3342, 0.3512



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.



58.9632, 0.3879, 0.3999



69.9493, 0.4069, 0.4145



72.8777, 0.3634, 0.4350



15.9577, 0.3276, 0.3446



22.5896, 0.4938, 0.4461



1.8391, 0.4802, 0.4569



# Inverse Universe

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



38.4773, 0.2428, 0.2454



40.6649, 0.2267, 0.2231



29.4508, 0.2466, 0.2053



14.6754, 0.2981, 0.3130



6.4704, 0.1637, 0.1091



0.6447, 0.1718, 0.1384



# Previews

## White Background



This preview shows how the Yxy color 58.9604, 0.3879, 0.3999 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 58.9604, 0.3879, 0.3999 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 58.9604, 0.3879, 0.3999**

## Background



This preview shows how black text looks on a background with the Yxy color 58.9604, 0.3879, 0.3999.



This preview shows how white text looks on a background with the Yxy color 58.9604, 0.3879, 0.3999.

# 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

58.9604, 0.3879, 0.3999

### Protanopia

59.1073, 0.3753, 0.4045

### Deuteranopia

58.7947, 0.3998, 0.3909



## Tritanopia

58.7594, 0.3408, 0.3128

# Trichromacy



**Original Color**

58.9604, 0.3879, 0.3999

**Protanomaly**

59.2388, 0.3799, 0.4036

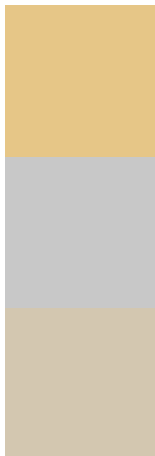
**Deuteranomaly**

58.9849, 0.3954, 0.3939

**Tritanomaly**

58.4464, 0.3582, 0.3436

# Monochromacy



**Original Color**

58.9604, 0.3879, 0.3999

**Achromatopsia**

57.7580, 0.3127, 0.3290

**Achromatomaly**

57.8303, 0.3397, 0.3563

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 58.9604, 0.3879, 0.3999 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(230, 198, 135)` looks like.

```
.text, #text, p{  
    color:rgb(230, 198, 135)  
}
```

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(230, 198, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 198, 135) }
```

## Border

The CSS property to change the border of an element to Yxy 58.9604, 0.3879, 0.3999 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(230, 198, 135) }
```

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

```
.border{ border-color:rgb(230, 198, 135) }
```

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

Here you see how a box with a 4 pixel rgb(230, 198, 135) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 198, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 198, 135);  
box-shadow:4px 4px 4px 4px rgb(230, 198,  
135) }
```



# Background

The CSS property to change the background color of an element to Yxy 58.9604, 0.3879, 0.3999 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 198, 135) }
```

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

```
.background{ background-color: rgb(230,  
198, 135) }
```

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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