

# Converting Colors

Yxy(64.2154, 0.3969, 0.4352)

Have a look what the booklet for  
Yxy(64.2154, 0.3969, 0.4352)  
contains.

<b>Yxy(63.9211, 0.3970, 0.4354)</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(63.9211, 0.3970, 0.4354)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E5D270
RGB	229, 210, 112
RGB Percent	90%, 82%, 44%
CMY	0.1020, 0.1764, 0.5606
CMYK	0.00, 0.08, 0.51, 0.10
HSL	50°, 69%, 67%
HSV	50°, 51%, 90%
XYZ	58.2836, 63.9211, 24.6054
YIQ	204.5090, 42.7820, -26.4500

# Conversions

## Conversions Part 2

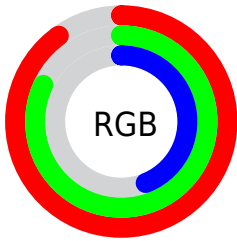
Format	Color
<a href="#">RYB</a>	<a href="#">135, 229, 112</a>
Decimal	<a href="#">15061616</a>
CIELab	<a href="#">83.92, -5.92, 50.46</a>
CIElCh	<a href="#">84, 50.810, 96.692</a>
Yxy	<a href="#">63.9211, 0.3970, 0.4354</a>
Android (android.graphics.Color)	<a href="#">4293251696 (0xFFE5D270)</a>
YUV	<a href="#">204.5090, -45.6069, 21.4786</a>
Hunter-Lab	<a href="#">79.9507, -9.7882, 37.7186</a>

# Details

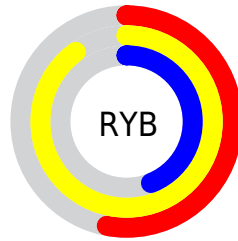
The Yxy color **63.9211, 0.3970, 0.4354** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **25.3415, 0.2197, 0.1923**, and the grayscale version is **60.9999, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.5332, 0.3655, 0.4162**, and **32.7611, 0.4137, 0.4595** is the 20% darker color. If you saturate the color by 10%, you get **61.6629, 0.4126, 0.4523**, and if you desaturate by 10%, it is **66.3576, 0.3802, 0.4160**.

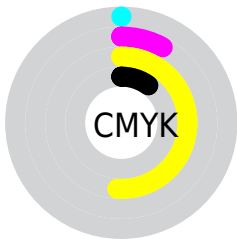
# Distribution



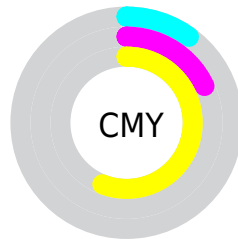
- Red (90%)
- Green (82%)
- Blue (44%)



- Red (53%)
- Yellow (90%)
- Blue (44%)



- Cyan (0%)
- Magenta (8%)
- Yellow (51%)
- Black (10%)




- Cyan (10%)
- Magenta (18%)
- Yellow (56%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 63.9211, 0.3970, 0.4354 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 63.9211, 0.3970, 0.4354 by changing the saturation by 10% instead.




 63.9211, 0.3970,  
0.4354


 63.9211, 0.3970,  
0.4354


438.9047, 0.3592,  
0.3862

 46.5868, 0.4049,  
0.4461

 110.4973, 0.3844,  
0.4187

 32.7091, 0.4140,  
0.4588


 140.5080, 0.3793,  
0.4120

 21.9037, 0.4245,  
0.4740


 175.5129, 0.3749,  
0.4063

 13.7862, 0.4362,  
0.4920

 215.8964, 0.3710,  
0.4013

 7.9721, 0.4495,  
0.5143

262.0429, 0.3675,  
0.3968

 4.0771, 0.4611,  
0.5389

314.3369, 0.3645,

 1.7168, 0.4522,

0.3929

0.5478

373.1627, 0.3617,  
0.3894

0.4345, 0.3819,  
0.6181

0.0000, 0.0000,  
0.0000

63.9211, 0.3970,  
0.4354

63.9211, 0.3970,  
0.4354

61.6629, 0.4126,  
0.4523

66.3576, 0.3802,  
0.4160

59.5637, 0.4264,  
0.4656


68.9727, 0.3631,  
0.3950

57.6147, 0.4378,  
0.4746

71.7779, 0.3461,  
0.3734


55.8020, 0.4462,  
0.4790


74.7810, 0.3297,  
0.3520


 54.2782, 0.4517,  
0.4796

 77.9892, 0.3143,  
0.3312

 81.4095, 0.3000,  
0.3115

 83.8813, 0.2968,  
0.3097

 86.0442, 0.2968,  
0.3136

 88.2519, 0.2968,  
0.3173

# Harmonies

## Analogous

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



63.9211, 0.4339, 0.3981



63.9211, 0.3970, 0.4354



63.9211, 0.3396, 0.4448

# Triad

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



63.9211, 0.3970, 0.4354



63.9211, 0.2029, 0.2876



63.9211, 0.3396, 0.2624

# Complementary

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



63.9211, 0.3970, 0.4354



25.3415, 0.2197, 0.1923

# 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.



63.9211, 0.2760, 0.2367



63.9211, 0.3970, 0.4354



63.9211, 0.2029, 0.2464

# Square

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



63.9211, 0.3970, 0.4354



63.9211, 0.2288, 0.3498



63.9211, 0.2280, 0.2302



63.9211, 0.4009, 0.3025



# Rectangle

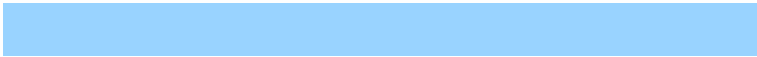
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



63.9211, 0.3970, 0.4354



63.9211, 0.2979, 0.4279



63.9211, 0.2280, 0.2302



63.9211, 0.3176, 0.2520

# Sweetspot

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



63.9241, 0.3970, 0.4354



93.8795, 0.3362, 0.3605



29.9060, 0.4339, 0.3072



19.9202, 0.3397, 0.3651



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.



63.9241, 0.3970, 0.4354



78.6259, 0.4131, 0.4527



68.1517, 0.3572, 0.4665



16.3979, 0.3272, 0.3485



31.1867, 0.4511, 0.4800



2.4114, 0.4457, 0.4843



# Inverse Universe

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



25.3415, 0.2197, 0.1923



24.4886, 0.1999, 0.1603



23.8345, 0.2449, 0.1785



14.2631, 0.2980, 0.3087



4.1118, 0.1540, 0.0743



0.4187, 0.1605, 0.0978



# Previews

## White Background



This preview shows how the Yxy color 63.9211, 0.3970, 0.4354 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

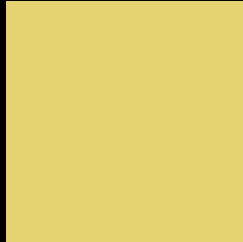
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 63.9211, 0.3970, 0.4354 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 63.9211, 0.3970, 0.4354**

## **Background**



This preview shows how black text looks on a background with the Yxy color 63.9211, 0.3970, 0.4354.



This preview shows how white text looks on a background with the Yxy color 63.9211, 0.3970, 0.4354.

# 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

63.9211, 0.3970, 0.4354

### Protanopia

63.7597, 0.3992, 0.4338

### Deuteranopia

63.8766, 0.4202, 0.4119



## Tritanopia

63.5939, 0.3333, 0.3120

# Trichromacy



## Original Color

63.9211, 0.3970, 0.4354

## Protanomaly

63.5938, 0.3984, 0.4341

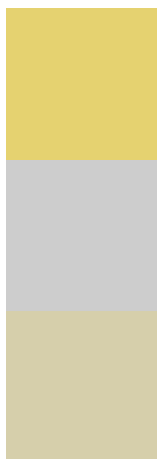
## Deuteranomaly

64.0395, 0.4118, 0.4203

## Tritanomaly

63.0776, 0.3581, 0.3567

# Monochromacy



## Original Color

63.9211, 0.3970, 0.4354

## Achromatopsia

61.0496, 0.3127, 0.3290

## Achromatomaly

61.8621, 0.3443, 0.3711

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 63.9211, 0.3970, 0.4354 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(229, 210, 112)` looks like.

```
.text, #text, p{  
    color:rgb(229, 210, 112)  
}
```

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(229, 210, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 210, 112) }
```

## Border

The CSS property to change the border of an element to Yxy 63.9211, 0.3970, 0.4354 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(229, 210, 112) }
```

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

```
.border{ border-color:rgb(229, 210, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 210, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 210, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 210, 112);  
box-shadow:4px 4px 4px 4px rgb(229, 210,  
112) }
```



# Background

The CSS property to change the background color of an element to Yxy 63.9211, 0.3970, 0.4354 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 210, 112) }
```

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

```
.background{ background-color: rgb(229,  
210, 112) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor