

# Converting Colors

$Yxy(63.3036, 0.3605, 0.4352)$

Have a look what the booklet for  
Yxy(63.3036, 0.3605, 0.4352)  
contains.

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# Color

**Yxy(63.4636, 0.3600, 0.4350)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C8D980
RGB	200, 217, 128
RGB Percent	78%, 85%, 50%
CMY	0.2158, 0.1490, 0.4980
CMYK	0.08, 0.00, 0.41, 0.15
HSL	71°, 54%, 68%
HSV	71°, 41%, 85%
XYZ	52.5216, 63.4636, 29.9081
YIQ	201.7710, 18.4370, -31.2830

# Conversions

## Conversions Part 2

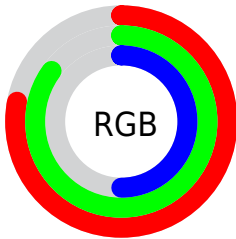
Format	Color
<b>RYB</b>	128, 217, 145
Decimal	13162880
CIELab	83.69, -19.38, 41.86
CIELCh	84, 46.131, 114.839
Yxy	63.4636, 0.3600, 0.4350
Android (android.graphics.Color)	4291352960 (0xFFC8D980)
YUV	201.7710, -36.3691, -1.5532
Hunter-Lab	79.6640, -21.7291, 33.5057

# Details

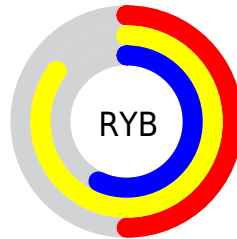
The Yxy color **63.4636, 0.3600, 0.4350** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **26.4790, 0.2505, 0.2077**, and the grayscale version is **59.1335, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.1574, 0.3561, 0.4008**, and **32.3962, 0.3693, 0.4612** is the 20% darker color. If you saturate the color by 10%, you get **62.3900, 0.3697, 0.4599**, and if you desaturate by 10%, it is **64.6807, 0.3491, 0.4088**.

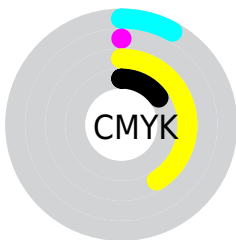
# Distribution



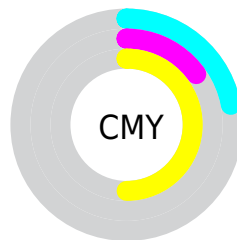
- Red (78%)
- Green (85%)
- Blue (50%)



- Red (50%)
- Yellow (85%)
- Blue (57%)



- Cyan (8%)
- Magenta (0%)
- Yellow (41%)
- Black (15%)




- Cyan (22%)
- Magenta (15%)
- Yellow (50%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 63.4636, 0.3600, 0.4350 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 63.4636, 0.3600, 0.4350 by changing the saturation by 10% instead.




 63.4636, 0.3600,  
0.4350


 63.4636, 0.3600,  
0.4350


437.2500, 0.3393,  
0.3837


 46.2164, 0.3642,  
0.4471


 109.8381, 0.3532,  
0.4169

 32.4166, 0.3689,  
0.4620


 139.7341, 0.3505,  
0.4099

 21.6799, 0.3742,  
0.4809


 174.6152, 0.3480,  
0.4039

 13.6219, 0.3798,  
0.5054

214.8657, 0.3459,  
0.3988

 7.8582, 0.3843,  
0.5374

260.8700, 0.3440,  
0.3943

 4.0043, 0.3986,  
0.6014

313.0126, 0.3423,

 1.6760, 0.3674,

0.3903

0.6326

371.6778, 0.3407,  
0.3868

0.4080, 0.0000,  
1.0000

0.0000, 0.0000,  
0.0000

63.4636, 0.3600,  
0.4350

63.4636, 0.3600,  
0.4350

62.3900, 0.3697,  
0.4599

64.6807, 0.3491,  
0.4088

61.4434, 0.3776,  
0.4824


66.0400, 0.3375,  
0.3823


60.6176, 0.3832,  
0.5014


67.5511, 0.3256,  
0.3563


59.9026, 0.3863,  
0.5162


69.2203, 0.3139,  
0.3314


 59.2862, 0.3868,  
0.5263


 71.0535, 0.3026,  
0.3081

 58.7975, 0.3855,  
0.5321

 72.8468, 0.2938,  
0.2896

 73.5230, 0.2966,  
0.2900

 74.2155, 0.2994,  
0.2903

 74.9246, 0.3022,  
0.2906

# Harmonies

## Analogous

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



63.4636, 0.4065, 0.4155



63.4636, 0.3600, 0.4350



63.4636, 0.3032, 0.4203

# Triad

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



63.4636, 0.3600, 0.4350



63.4636, 0.2088, 0.2660



63.4636, 0.3727, 0.2891

# Complementary

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



63.4636, 0.3600, 0.4350



26.4790, 0.2505, 0.2077

# 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.



63.4636, 0.3138, 0.2565



63.4636, 0.3600, 0.4350



63.4636, 0.2230, 0.2416

# Square

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



63.4636, 0.3600, 0.4350



63.4636, 0.2185, 0.3126



63.4636, 0.2596, 0.2393



63.4636, 0.4164, 0.3315



# Rectangle

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



63.4636, 0.3600, 0.4350



63.4636, 0.2674, 0.3907



63.4636, 0.2596, 0.2393



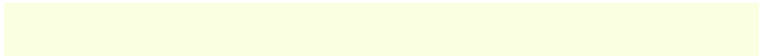
63.4636, 0.3537, 0.2768

# Sweetspot

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



63.4664, 0.3600, 0.4350



97.0884, 0.3269, 0.3591



36.3603, 0.4086, 0.3493



20.7174, 0.3285, 0.3625



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.



63.4664, 0.3600, 0.4350



90.1316, 0.3683, 0.4561



58.2802, 0.3262, 0.4477



15.1313, 0.3238, 0.3523



35.6313, 0.3860, 0.5317



2.3414, 0.3917, 0.5272



# Inverse Universe

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



26.4790, 0.2505, 0.2077



30.0678, 0.2346, 0.1792



31.2503, 0.2902, 0.2201



12.7367, 0.3011, 0.3050



3.3597, 0.1594, 0.0652

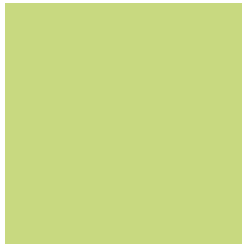


0.2532, 0.1745, 0.0735



# Previews

## White Background



This preview shows how the Yxy color 63.4636, 0.3600, 0.4350 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 63.4636, 0.3600, 0.4350 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

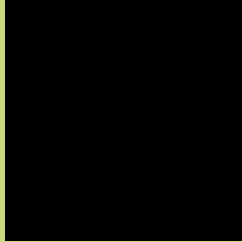
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 63.4636, 0.3600, 0.4350**

## **Background**



This preview shows how black text looks on a background with the Yxy color 63.4636, 0.3600, 0.4350.



This preview shows how white text looks on a background with the Yxy color 63.4636, 0.3600, 0.4350.

# 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

63.4636, 0.3600, 0.4350

### Protanopia

63.0864, 0.3887, 0.4210

### Deuteranopia

63.0220, 0.4074, 0.3989



## Tritanopia

63.4136, 0.3061, 0.3110

# Trichromacy



**Original Color**

63.4636, 0.3600, 0.4350

**Protanomaly**

63.0003, 0.3784, 0.4259

**Deuteranomaly**

62.9371, 0.3889, 0.4117

**Tritanomaly**

63.1339, 0.3267, 0.3547

# Monochromacy



**Original Color**

63.4636, 0.3600, 0.4350

**Achromatopsia**

59.0619, 0.3127, 0.3290

**Achromatomaly**

60.1383, 0.3309, 0.3676

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 63.4636, 0.3600, 0.4350 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(200, 217, 128)` looks like.

```
.text, #text, p{  
    color:rgb(200, 217, 128)  
}
```

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(200, 217, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 217, 128) }
```

## Border

The CSS property to change the border of an element to Yxy 63.4636, 0.3600, 0.4350 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(200, 217, 128) }
```

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

```
.border{ border-color:rgb(200, 217, 128) }
```

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

Here you see how a box with a 4 pixel rgb(200, 217, 128) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 217, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 217, 128);  
box-shadow:4px 4px 4px 4px rgb(200, 217,  
128) }
```



# Background

The CSS property to change the background color of an element to Yxy 63.4636, 0.3600, 0.4350 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 217, 128) }
```

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

```
.background{ background-color: rgb(200,  
217, 128) }
```

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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