

# Converting Colors

$Yxy(60.7894, 0.3357, 0.3796)$

Have a look what the booklet for  
Yxy(60.7894, 0.3357, 0.3796)  
contains.

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# Color

**Yxy(60.6703, 0.3356, 0.3799)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C8D1A7
RGB	200, 209, 167
RGB Percent	78%, 82%, 65%
CMY	0.2156, 0.1804, 0.3452
CMYK	0.04, 0.00, 0.20, 0.18
HSL	73°, 31%, 74%
HSV	73°, 20%, 82%
XYZ	53.5956, 60.6703, 45.4349
YIQ	201.5210, 8.1180, -14.9700

# Conversions

## Conversions Part 2

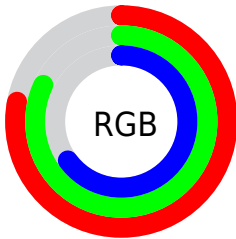
Format	Color
<a href="#">RYB</a>	<a href="#">167, 209, 176</a>
Decimal	<a href="#">13160871</a>
CIELab	<a href="#">82.20, -10.20, 19.86</a>
CIELCh	<a href="#">82, 22.326, 117.190</a>
Yxy	<a href="#">60.6703, 0.3356, 0.3799</a>
Android (android.graphics.Color)	<a href="#">4291350951 (0xFFC8D1A7)</a>
YUV	<a href="#">201.5210, -17.0189, -1.3339</a>
Hunter-Lab	<a href="#">77.8911, -13.4867, 19.9392</a>

# Details

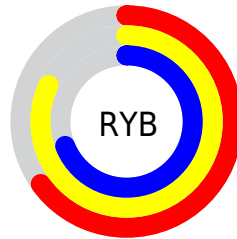
The Yxy color **60.6703, 0.3356, 0.3799** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **41.4610, 0.2868, 0.2751**, and the grayscale version is **58.8544, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.0539, 0.3321, 0.3611**, and **30.7915, 0.3410, 0.3937** is the 20% darker color. If you saturate the color by 10%, you get **59.3546, 0.3468, 0.4065**, and if you desaturate by 10%, it is **62.1343, 0.3241, 0.3540**.

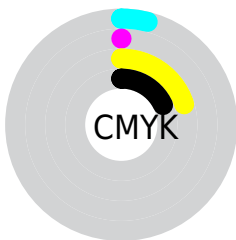
# Distribution



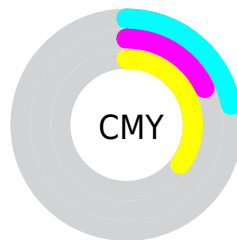
- Red (78%)
- Green (82%)
- Blue (65%)



- Red (65%)
- Yellow (82%)
- Blue (69%)



- Cyan (4%)
- Magenta (0%)
- Yellow (20%)
- Black (18%)



- Cyan (22%)
- Magenta (18%)
- Yellow (35%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 60.6703, 0.3356, 0.3799 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 60.6703, 0.3356, 0.3799 by changing the saturation by 10% instead.



60.6703, 0.3356,  
0.3799

60.6703, 0.3356,  
0.3799

427.0641, 0.3250,  
0.3551

43.9591, 0.3380,  
0.3859

105.8014, 0.3319,  
0.3711

30.6384, 0.3410,  
0.3934

134.9902, 0.3305,  
0.3677

20.3236, 0.3447,  
0.4032

169.1069, 0.3292,  
0.3648

12.6305, 0.3495,  
0.4165

208.5360, 0.3282,  
0.3623

7.1746, 0.3558,  
0.4353

253.6619, 0.3272,  
0.3602

3.5715, 0.3640,  
0.4639

304.8689, 0.3264,

1.4369, 0.4087,

0.3583

362.5415, 0.3256,  
0.3566

0.5593

0.2437, 0.0000,  
1.0000

0.0000, 0.0000,  
0.0000

60.6703, 0.3356,  
0.3799

60.6703, 0.3356,  
0.3799

59.3546, 0.3468,  
0.4065

62.1343, 0.3241,  
0.3540

58.1730, 0.3574,  
0.4330


63.7442, 0.3128,  
0.3293

57.1216, 0.3668,  
0.4584

65.5083, 0.3019,  
0.3061

56.1931, 0.3745,  
0.4815

67.4315, 0.2916,  
0.2848

 55.3795, 0.3799,  
0.5014


 68.4112, 0.2919,  
0.2809


 54.6714, 0.3829,  
0.5171


 69.1284, 0.2949,  
0.2813

 54.0582, 0.3833,  
0.5282

 69.8645, 0.2981,  
0.2817

 53.5252, 0.3816,  
0.5352

 70.6196, 0.3012,  
0.2822

 71.3938, 0.3043,  
0.2826

# Harmonies

## Analogous

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



60.6703, 0.3587, 0.3744



60.6703, 0.3356, 0.3799



60.6703, 0.3071, 0.3702

# Triad

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



60.6703, 0.3356, 0.3799



60.6703, 0.2590, 0.2973



60.6703, 0.3445, 0.3107

# Complementary

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



60.6703, 0.3356, 0.3799



41.4610, 0.2868, 0.2751

# 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.



60.6703, 0.3164, 0.2922



60.6703, 0.3356, 0.3799



60.6703, 0.2678, 0.2840

# Square

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



60.6703, 0.3356, 0.3799



60.6703, 0.2637, 0.3204



60.6703, 0.2884, 0.2825



60.6703, 0.3642, 0.3340



# Rectangle

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



60.6703, 0.3356, 0.3799



60.6703, 0.2890, 0.3562



60.6703, 0.2884, 0.2825



60.6703, 0.3356, 0.3038

# Sweetspot

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



60.6730, 0.3356, 0.3799



98.4378, 0.3195, 0.3438



47.1554, 0.3504, 0.3395



21.0345, 0.3203, 0.3455



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

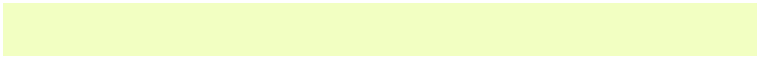


# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



60.6730, 0.3356, 0.3799



94.2664, 0.3403, 0.3910



58.0459, 0.3196, 0.3825



13.6647, 0.3234, 0.3522



33.0449, 0.3822, 0.5347



1.8803, 0.3894, 0.5290



# Inverse Universe

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



41.4610, 0.2868, 0.2751



58.9650, 0.2805, 0.2625



44.0231, 0.3041, 0.2778



11.5379, 0.3015, 0.3052



3.2136, 0.1615, 0.0663



0.2150, 0.1797, 0.0764



# Previews

## White Background



This preview shows how the Yxy color 60.6703, 0.3356, 0.3799 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

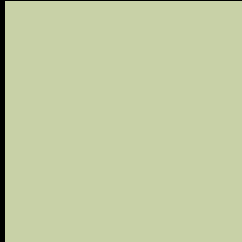
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 60.6703, 0.3356, 0.3799 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

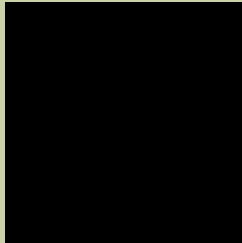
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

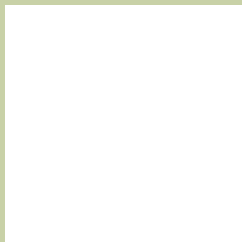
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 60.6703, 0.3356, 0.3799**

## **Background**



This preview shows how black text looks on a background with the Yxy color 60.6703, 0.3356, 0.3799.



This preview shows how white text looks on a background with the Yxy color 60.6703, 0.3356, 0.3799.

# 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

60.6703, 0.3356, 0.3799

### Protanopia

60.6541, 0.3519, 0.3745

### Deuteranopia

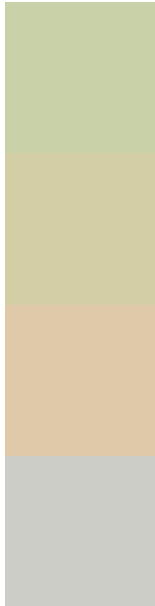
60.2150, 0.3661, 0.3580



## Tritanopia

60.5684, 0.3052, 0.3107

# Trichromacy



## Original Color

60.6703, 0.3356, 0.3799

## Protanomaly

60.7447, 0.3458, 0.3763

## Deuteranomaly

60.3258, 0.3546, 0.3658

## Tritanomaly

60.6235, 0.3162, 0.3361

# Monochromacy



## Original Color

60.6703, 0.3356, 0.3799

## Achromatopsia

59.0619, 0.3127, 0.3290

## Achromatomaly

59.7543, 0.3211, 0.3482

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 60.6703, 0.3356, 0.3799 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, 209, 167)` looks like.

```
.text, #text, p{  
    color:rgb(200, 209, 167)  
}
```

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, 209, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 209, 167) }
```

## Border

The CSS property to change the border of an element to Yxy 60.6703, 0.3356, 0.3799 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, 209, 167) }
```

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

```
.border{ border-color:rgb(200, 209, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 209, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(200, 209, 167); -webkit-box-shadow:4px 4px 4px 4px rgb(200, 209, 167); box-shadow:4px 4px 4px 4px rgb(200, 209, 167) }
```



# Background

The CSS property to change the background color of an element to Yxy 60.6703, 0.3356, 0.3799 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 209, 167) }
```

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

```
.background{ background-color: rgb(200,  
209, 167) }
```

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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