

# Converting Colors

Yxy(66.9397, 0.3118, 0.3805)

Have a look what the booklet for  
Yxy(66.9397, 0.3118, 0.3805)  
contains.

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# Color

**Yxy(66.8791, 0.3117, 0.3800)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B8E0B6
RGB	184, 224, 182
RGB Percent	72%, 88%, 71%
CMY	0.2786, 0.1215, 0.2864
CMYK	0.18, 0.00, 0.19, 0.12
HSL	117°, 40%, 80%
HSV	117°, 19%, 88%
XYZ	54.8585, 66.8791, 54.2601
YIQ	207.2520, -10.3580, -21.5420

# Conversions

## Conversions Part 2

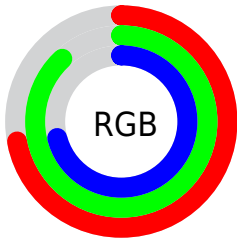
Format	Color
<b>RYB</b>	182, 224, 222
Decimal	12116150
CIELab	85.44, -20.95, 16.34
CIELCh	85, 26.571, 142.058
Yxy	66.8791, 0.3117, 0.3800
Android (android.graphics.Color)	4290306230 (0xFFB8E0B6)
YUV	207.2520, -12.4492, -20.3920
Hunter-Lab	81.7796, -23.3751, 17.9074

# Details

The Yxy color **66.8791, 0.3117, 0.3800** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **54.3623, 0.3133, 0.2824**, and the grayscale version is **62.6514, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.2183, 0.3132, 0.3458**, and **34.7067, 0.3106, 0.3940** is the 20% darker color. If you saturate the color by 10%, you get **63.5896, 0.3109, 0.4119**, and if you desaturate by 10%, it is **70.7199, 0.3123, 0.3513**.

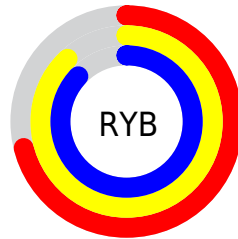
# Distribution



Red (72%)

Green (88%)

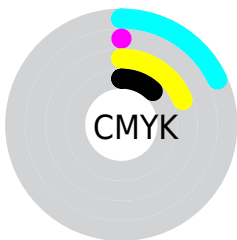
Blue (71%)



Red (71%)

Yellow (88%)

Blue (87%)

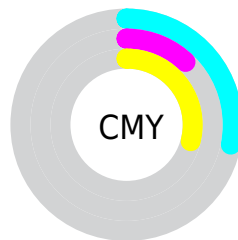


Cyan (18%)

Magenta (0%)

Yellow (19%)

Black (12%)



Cyan (28%)

Magenta (12%)


Yellow (29%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 66.8791, 0.3117, 0.3800 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 66.8791, 0.3117, 0.3800 by changing the saturation by 10% instead.



 66.8791, 0.3117,  
0.3800

 66.8791, 0.3117,  
0.3800


449.5143, 0.3126,  
0.3553

 48.9864, 0.3114,  
0.3860

 114.7472, 0.3121,  
0.3712

 34.6087, 0.3109,  
0.3935


145.4913, 0.3122,  
0.3678

 23.3616, 0.3102,  
0.4033


181.2880, 0.3123,  
0.3649

 14.8607, 0.3091,  
0.4165

222.5217, 0.3124,  
0.3625

 8.7217, 0.3072,  
0.4354

269.5768, 0.3125,  
0.3603

 4.5601, 0.3036,  
0.4644

322.8377, 0.3125,

 1.9916, 0.2967,

0.3584

382.6887, 0.3125,  
0.3567

0.5167

0.6026, 0.0922,  
0.9078

0.0000, 0.0000,  
0.0000

66.8791, 0.3117,  
0.3800

66.8791, 0.3117,  
0.3800

63.5896, 0.3109,  
0.4119

70.7199, 0.3123,  
0.3513

60.8182, 0.3098,  
0.4463

75.1268, 0.3128,  
0.3261

58.5410, 0.3085,  
0.4818

80.1244, 0.3131,  
0.3041

56.7289, 0.3070,  
0.5165

81.7991, 0.3141,  
0.2990

■ 55.3498, 0.3053,  
0.5478

■ 54.3676, 0.3036,  
0.5729

■ 53.7401, 0.3020,  
0.5899

■ 53.4126, 0.3008,  
0.5986

■ 53.3876, 0.3008,  
0.5994

# Harmonies

## Analogous

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



66.8791, 0.3441, 0.3880



66.8791, 0.3117, 0.3800



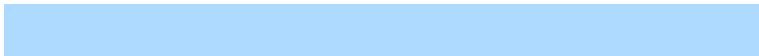
66.8791, 0.2807, 0.3558

# Triad

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



66.8791, 0.3117, 0.3800



66.8791, 0.2585, 0.2790



66.8791, 0.3693, 0.3297

# Complementary

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



66.8791, 0.3117, 0.3800



54.3623, 0.3133, 0.2824

# 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.



66.8791, 0.3441, 0.3038



66.8791, 0.3117, 0.3800



66.8791, 0.2799, 0.2752

# Square

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



66.8791, 0.3117, 0.3800



66.8791, 0.2511, 0.2961



66.8791, 0.3110, 0.2843



66.8791, 0.3785, 0.3567



# Rectangle

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



66.8791, 0.3117, 0.3800



66.8791, 0.2648, 0.3348



66.8791, 0.3110, 0.2843



66.8791, 0.3624, 0.3207

# Sweetspot

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



66.8820, 0.3117, 0.3800



96.3932, 0.3125, 0.3441



71.4221, 0.3413, 0.3734



20.5517, 0.3124, 0.3458



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

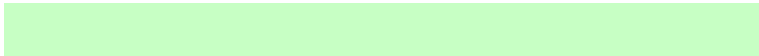


# Same Dimension

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



66.8820, 0.3117, 0.3800



87.6812, 0.3114, 0.3937



67.4734, 0.2985, 0.3566



15.3680, 0.3123, 0.3532



31.0849, 0.3011, 0.5992



2.1657, 0.3042, 0.5967



# Inverse Universe

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



54.3623, 0.3133, 0.2824



67.5948, 0.3133, 0.2712



53.7085, 0.3299, 0.3029



13.9008, 0.3130, 0.3059



11.4152, 0.3091, 0.1477

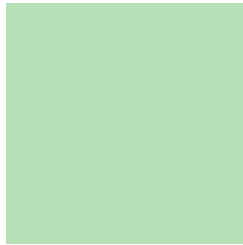


0.8016, 0.3111, 0.1487



# Previews

## White Background



This preview shows how the Yxy color 66.8791, 0.3117, 0.3800 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 66.8791, 0.3117, 0.3800 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 66.8791, 0.3117, 0.3800**

## **Background**



This preview shows how black text looks on a background with the Yxy color 66.8791, 0.3117, 0.3800.



This preview shows how white text looks on a background with the Yxy color 66.8791, 0.3117, 0.3800.

# 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

66.8791, 0.3117, 0.3800

### Protanopia

66.7306, 0.3481, 0.3706

### Deuteranopia

66.2625, 0.3568, 0.3495



## Tritanopia

66.9037, 0.2854, 0.3096

# Trichromacy



**Original Color**

66.8791, 0.3117, 0.3800

**Protanomaly**

66.5417, 0.3342, 0.3743

**Deuteranomaly**

66.1193, 0.3394, 0.3595

**Tritanomaly**

67.0398, 0.2951, 0.3348

# Monochromacy



**Original Color**

66.8791, 0.3117, 0.3800

**Achromatopsia**

62.3960, 0.3127, 0.3290

**Achromatomaly**

63.8078, 0.3126, 0.3467

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 66.8791, 0.3117, 0.3800 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(184, 224, 182)` looks like.

```
.text, #text, p{  
    color:rgb(184, 224, 182)  
}
```

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(184, 224, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 224, 182) }
```

## Border

The CSS property to change the border of an element to Yxy 66.8791, 0.3117, 0.3800 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(184, 224, 182) }
```

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

```
.border{ border-color:rgb(184, 224, 182) }
```

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

Here you see how a box with a 4 pixel rgb(184, 224, 182) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 224, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 224, 182);  
box-shadow:4px 4px 4px 4px rgb(184, 224,  
182) }
```



# Background

The CSS property to change the background color of an element to Yxy 66.8791, 0.3117, 0.3800 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 224, 182) }
```

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

```
.background{ background-color: rgb(184,  
224, 182) }
```

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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