

# Converting Colors

$Yxy(65.3391, 0.3335, 0.4200)$

Have a look what the booklet for  
Yxy(65.3391, 0.3335, 0.4200)  
contains.

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# Color

**Yxy(65.2596, 0.3335, 0.4200)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	B9DF95
RGB	185, 223, 149
RGB Percent	73%, 87%, 58%
CMY	0.2745, 0.1255, 0.4157
CMYK	0.17, 0.00, 0.33, 0.13
HSL	91°, 54%, 73%
HSV	91°, 33%, 87%
XYZ	51.8192, 65.2596, 38.3012
YIQ	203.2020, 1.1060, -31.0700

# Conversions

## Conversions Part 2

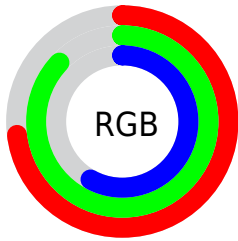
<b>Format</b>	<b>Color</b>
<b>RYB</b>	149, 223, 187
Decimal	12181397
CIELab	84.62, -25.23, 32.30
CIELCh	85, 40.983, 127.999
Yxy	65.2596, 0.3335, 0.4200
Android (android.graphics.Color)	4290371477 (0xFFB9DF95)
YUV	203.2020, -26.7216, -15.9632
Hunter-Lab	80.7834, -26.8706, 28.4377

# Details

The Yxy color **65.2596, 0.3335, 0.4200** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **37.3927, 0.2845, 0.2387**, and the grayscale version is **60.0262, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.7569, 0.3344, 0.3805**, and **33.6936, 0.3372, 0.4452** is the 20% darker color. If you saturate the color by 10%, you get **63.2491, 0.3385, 0.4502**, and if you desaturate by 10%, it is **67.5269, 0.3276, 0.3905**.

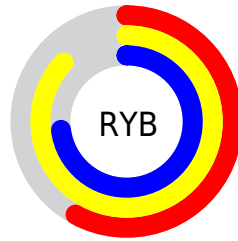
# Distribution



Red (73%)

Green (87%)

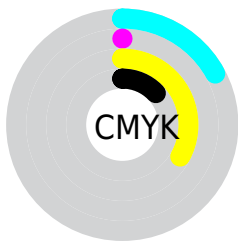
Blue (58%)



Red (58%)

Yellow (87%)

Blue (73%)

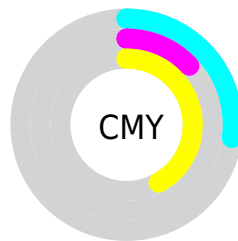


Cyan (17%)

Magenta (0%)

Yellow (33%)

Black (13%)



Cyan (27%)

Magenta (13%)


Yellow (42%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 65.2596, 0.3335, 0.4200 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 65.2596, 0.3335, 0.4200 by changing the saturation by 10% instead.




 65.2596, 0.3335,  
0.4200

 65.2596, 0.3335,  
0.4200


443.7243, 0.3249,  
0.3754

 47.6716, 0.3351,  
0.4308


 112.4230, 0.3308,  
0.4040

 33.5669, 0.3368,  
0.4443


 142.7672, 0.3297,  
0.3980

 22.5611, 0.3386,  
0.4619


178.1323, 0.3286,  
0.3928

 14.2698, 0.3402,  
0.4854

218.9026, 0.3277,  
0.3884

 8.3085, 0.3407,  
0.5183

265.4625, 0.3269,  
0.3845

 4.2930, 0.3384,  
0.5678

318.1965, 0.3262,

 1.8388, 0.3346,

0.3811

0.6654

377.4890, 0.3255,  
0.3781

0.5112, 0.0000,  
1.0000

0.0000, 0.0000,  
0.0000

65.2596, 0.3335,  
0.4200

65.2596, 0.3335,  
0.4200

63.2491, 0.3385,  
0.4502

67.5269, 0.3276,  
0.3905

61.4765, 0.3422,  
0.4800


70.0524, 0.3213,  
0.3626

59.9332, 0.3442,  
0.5080

72.8480, 0.3148,  
0.3368

58.6067, 0.3442,  
0.5326

75.9225, 0.3083,  
0.3132


 57.4827, 0.3419,  
0.5523

 78.9242, 0.3055,  
0.2971

 56.5447, 0.3376,  
0.5663

 81.0182, 0.3133,  
0.2979

 55.9952, 0.3339,  
0.5731

 81.2588, 0.3142,  
0.2980

# Harmonies

## Analogous

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



65.2596, 0.3801, 0.4162



65.2596, 0.3335, 0.4200



65.2596, 0.2835, 0.3927

# Triad

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



65.2596, 0.3335, 0.4200



65.2596, 0.2230, 0.2614



65.2596, 0.3851, 0.3098

# Complementary

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



65.2596, 0.3335, 0.4200



37.3927, 0.2845, 0.2387

# 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.



65.2596, 0.3371, 0.2757



65.2596, 0.3335, 0.4200



65.2596, 0.2450, 0.2479

# Square

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



65.2596, 0.3335, 0.4200



65.2596, 0.2223, 0.2950



65.2596, 0.2856, 0.2536



65.2596, 0.4125, 0.3498



# Rectangle

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



65.2596, 0.3335, 0.4200



65.2596, 0.2550, 0.3613



65.2596, 0.2856, 0.2536



65.2596, 0.3706, 0.2974

# Sweetspot

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



65.2624, 0.3335, 0.4200



96.0648, 0.3193, 0.3544



52.9799, 0.3755, 0.3725



20.4499, 0.3202, 0.3581



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

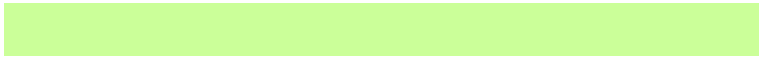


# Same Dimension

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



65.2624, 0.3335, 0.4200



86.4608, 0.3372, 0.4415



61.3392, 0.3081, 0.4275



15.6627, 0.3189, 0.3527



32.9890, 0.3350, 0.5722



2.3398, 0.3468, 0.5628



# Inverse Universe

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



37.3927, 0.2845, 0.2387



43.0381, 0.2767, 0.2176



42.5143, 0.3166, 0.2469



13.5877, 0.3061, 0.3053



5.3256, 0.2054, 0.0905

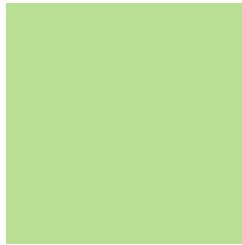


0.4224, 0.2219, 0.0996



# Previews

## White Background



This preview shows how the Yxy color 65.2596, 0.3335, 0.4200 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 65.2596, 0.3335, 0.4200 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

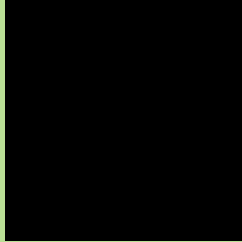
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 65.2596, 0.3335, 0.4200**

## **Background**



This preview shows how black text looks on a background with the Yxy color 65.2596, 0.3335, 0.4200.



This preview shows how white text looks on a background with the Yxy color 65.2596, 0.3335, 0.4200.

# 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

65.2596, 0.3335, 0.4200

### Protanopia

65.0961, 0.3742, 0.4038

### Deuteranopia

64.7139, 0.3876, 0.3800



## Tritanopia

65.1720, 0.2903, 0.3096

# Trichromacy



**Original Color**

65.2596, 0.3335, 0.4200

**Protanomaly**

64.6732, 0.3585, 0.4093

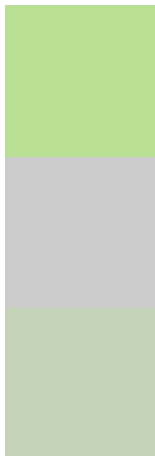
**Deuteranomaly**

64.5289, 0.3672, 0.3944

**Tritanomaly**

65.1802, 0.3061, 0.3479

# Monochromacy



**Original Color**

65.2596, 0.3335, 0.4200

**Achromatopsia**

59.7202, 0.3127, 0.3290

**Achromatomaly**

61.2478, 0.3210, 0.3616

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 65.2596, 0.3335, 0.4200 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(185, 223, 149)` looks like.

```
.text, #text, p{  
    color:rgb(185, 223, 149)  
}
```

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(185, 223, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 223, 149) }
```

## Border

The CSS property to change the border of an element to Yxy 65.2596, 0.3335, 0.4200 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(185, 223, 149) }
```

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

```
.border{ border-color:rgb(185, 223, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(185, 223, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 223, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 223, 149);  
box-shadow:4px 4px 4px 4px rgb(185, 223,  
149) }
```



# Background

The CSS property to change the background color of an element to Yxy 65.2596, 0.3335, 0.4200 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 223, 149) }
```

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

```
.background{ background-color: rgb(185,  
223, 149) }
```

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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