

# Converting Colors

$Y_{xy}(65.8795, 0.3306, 0.3981)$

Have a look what the booklet for  
Yxy(65.8795, 0.3306, 0.3981)  
contains.

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# Color

**Yxy(65.7307, 0.3302, 0.3979)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C1DDA4
RGB	193, 221, 164
RGB Percent	76%, 87%, 64%
CMY	0.2431, 0.1333, 0.3570
CMYK	0.13, 0.00, 0.26, 0.13
HSL	89°, 46%, 75%
HSV	89°, 26%, 87%
XYZ	54.5471, 65.7307, 44.9163
YIQ	206.1300, 1.6090, -23.6630

# Conversions

## Conversions Part 2

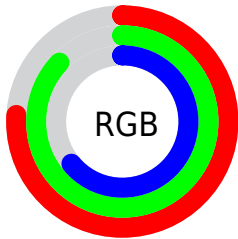
<b>Format</b>	<b>Color</b>
<b>RYB</b>	164, 221, 192
Decimal	12705188
CIELab	84.86, -19.23, 25.01
CIELCh	85, 31.548, 127.550
Yxy	65.7307, 0.3302, 0.3979
Android (android.graphics.Color)	4290895268 (0xFFC1DDA4)
YUV	206.1300, -20.7701, -11.5150
Hunter-Lab	81.0745, -21.7852, 23.9047

# Details

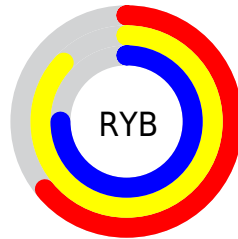
The Yxy color **65.7307, 0.3302, 0.3979** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **42.9613, 0.2909, 0.2601**, and the grayscale version is **61.9437, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.9585, 0.3307, 0.3645**, and **33.9313, 0.3335, 0.4159** is the 20% darker color. If you saturate the color by 10%, you get **63.6293, 0.3363, 0.4274**, and if you desaturate by 10%, it is **68.0813, 0.3236, 0.3697**.

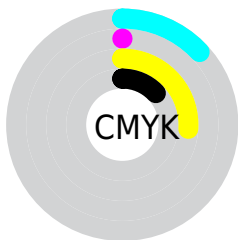
# Distribution



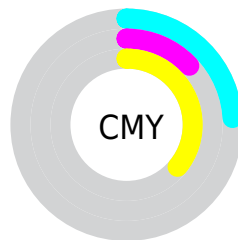
- Red (76%)
- Green (87%)
- Blue (64%)



- Red (64%)
- Yellow (87%)
- Blue (75%)



- Cyan (13%)
- Magenta (0%)
- Yellow (26%)
- Black (13%)




- Cyan (24%)
- Magenta (13%)
- Yellow (36%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 65.7307, 0.3302, 0.3979 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 65.7307, 0.3302, 0.3979 by changing the saturation by 10% instead.





 65.7307, 0.3302,  
0.3979

 65.7307, 0.3302,  
0.3979


445.4132, 0.3226,  
0.3644

 48.0538, 0.3318,  
0.4059


 113.0997, 0.3277,  
0.3860

 33.8695, 0.3336,  
0.4161


 143.5607, 0.3267,  
0.3814

 22.7934, 0.3357,  
0.4292


179.0518, 0.3258,  
0.3775

 14.4410, 0.3381,  
0.4469

219.9574, 0.3250,  
0.3742

 8.4280, 0.3405,  
0.4719

266.6619, 0.3243,  
0.3713

 4.3700, 0.3421,  
0.5092

319.5498, 0.3237,

 1.8826, 0.3678,

0.3687

379.0054, 0.3231,  
0.3664

0.6182

0.5379, 0.0723,  
0.9277

0.0000, 0.0000,  
0.0000

65.7307, 0.3302,  
0.3979

65.7307, 0.3302,  
0.3979

63.6293, 0.3363,  
0.4274

68.0813, 0.3236,  
0.3697

61.7589, 0.3413,  
0.4573


70.6811, 0.3167,  
0.3433

60.1124, 0.3450,  
0.4864


73.5416, 0.3099,  
0.3191


58.6787, 0.3468,  
0.5133


76.6704, 0.3032,  
0.2972


 57.4456, 0.3465,  
0.5363

 78.7572, 0.3089,  
0.2954

 56.3991, 0.3439,  
0.5542

 80.1968, 0.3143,  
0.2960

 55.5224, 0.3393,  
0.5665

 55.1947, 0.3371,  
0.5706

# Harmonies

## Analogous

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



65.7307, 0.3659, 0.3962



65.7307, 0.3302, 0.3979



65.7307, 0.2913, 0.3774

# Triad

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



65.7307, 0.3302, 0.3979



65.7307, 0.2422, 0.2772



65.7307, 0.3677, 0.3141

# Complementary

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



65.7307, 0.3302, 0.3979



42.9613, 0.2909, 0.2601

# 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.



65.7307, 0.3313, 0.2869



65.7307, 0.3302, 0.3979



65.7307, 0.2597, 0.2655

# Square

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



65.7307, 0.3302, 0.3979



65.7307, 0.2421, 0.3042



65.7307, 0.2916, 0.2694



65.7307, 0.3889, 0.3460



# Rectangle

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



65.7307, 0.3302, 0.3979



65.7307, 0.2687, 0.3544



65.7307, 0.2916, 0.2694



65.7307, 0.3567, 0.3042

# Sweetspot

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



65.7336, 0.3302, 0.3979



96.9048, 0.3183, 0.3491



55.5477, 0.3595, 0.3613



20.6226, 0.3193, 0.3530



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

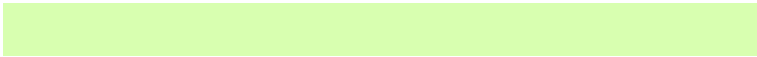


# Same Dimension

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



65.7336, 0.3302, 0.3979



89.2805, 0.3336, 0.4138



62.3860, 0.3099, 0.4023



14.9304, 0.3192, 0.3526



32.1286, 0.3382, 0.5697



2.1327, 0.3505, 0.5599



# Inverse Universe

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



42.9613, 0.2909, 0.2601



52.6618, 0.2852, 0.2441



46.9833, 0.3149, 0.2649



12.9294, 0.3057, 0.3054



4.9701, 0.2010, 0.0881

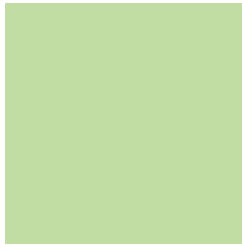


0.3732, 0.2189, 0.0980



# Previews

## White Background



This preview shows how the Yxy color 65.7307, 0.3302, 0.3979 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 65.7307, 0.3302, 0.3979 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

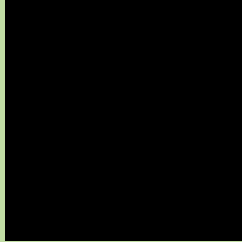
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 65.7307, 0.3302, 0.3979**

## **Background**



This preview shows how black text looks on a background with the Yxy color 65.7307, 0.3302, 0.3979.



This preview shows how white text looks on a background with the Yxy color 65.7307, 0.3302, 0.3979.

# 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

65.7307, 0.3302, 0.3979

### Protanopia

65.2953, 0.3611, 0.3865

### Deuteranopia

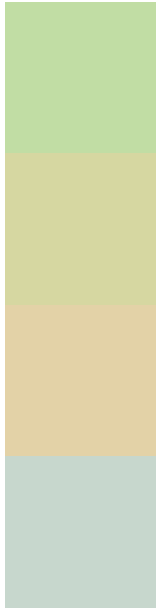
65.3132, 0.3747, 0.3665



## Tritanopia

65.4406, 0.2950, 0.3098

# Trichromacy



**Original Color**

65.7307, 0.3302, 0.3979

**Protanomaly**

65.4702, 0.3497, 0.3915

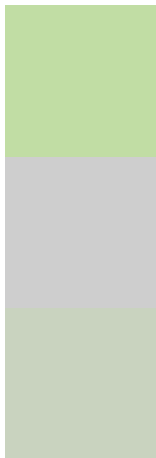
**Deuteranomaly**

65.2141, 0.3570, 0.3774

**Tritanomaly**

65.1508, 0.3078, 0.3407

# Monochromacy



**Original Color**

65.7307, 0.3302, 0.3979

**Achromatopsia**

61.7207, 0.3127, 0.3290

**Achromatomaly**

62.7676, 0.3191, 0.3527

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 65.7307, 0.3302, 0.3979 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(193, 221, 164)` looks like.

```
.text, #text, p{  
    color:rgb(193, 221, 164)  
}
```

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(193, 221, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 221, 164) }
```

## Border

The CSS property to change the border of an element to Yxy 65.7307, 0.3302, 0.3979 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(193, 221, 164) }
```

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

```
.border{ border-color:rgb(193, 221, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 221, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(193, 221, 164); -webkit-box-shadow:4px 4px 4px 4px rgb(193, 221, 164); box-shadow:4px 4px 4px 4px rgb(193, 221, 164) }
```



# Background

The CSS property to change the background color of an element to Yxy 65.7307, 0.3302, 0.3979 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 221, 164) }
```

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

```
.background{ background-color: rgb(193,  
221, 164) }
```

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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