

# Converting Colors

$Yxy(55.1594, 0.3102, 0.3837)$

Have a look what the booklet for  
Yxy(55.1594, 0.3102, 0.3837)  
contains.

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# Color

**Yxy(55.3416, 0.3101, 0.3846)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A5CFA5
RGB	165, 207, 165
RGB Percent	65%, 81%, 65%
CMY	0.3529, 0.1882, 0.3529
CMYK	0.20, 0.00, 0.20, 0.19
HSL	120°, 30%, 73%
HSV	120°, 20%, 81%
XYZ	44.6215, 55.3416, 43.9308
YIQ	189.6540, -11.5500, -21.9660

# Conversions

## Conversions Part 2

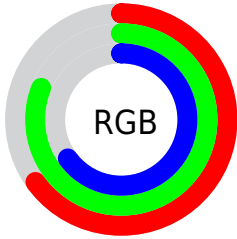
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">165, 207, 207</a>
Decimal	<a href="#">10866597</a>
CIELab	<a href="#">79.24, -21.90, 16.42</a>
CIELCh	<a href="#">79, 27.374, 143.150</a>
Yxy	<a href="#">55.3416, 0.3101, 0.3846</a>
Android (android.graphics.Color)	<a href="#">4289056677</a> ( <a href="#">0xFFA5CFA5</a> )
YUV	<a href="#">189.6540, -12.1544, -21.6216</a>
Hunter-Lab	<a href="#">74.3919, -23.1187, 17.0617</a>

# Details

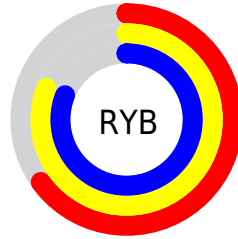
The Yxy color **55.3416, 0.3101, 0.3846** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **44.6805, 0.3151, 0.2790**, and the grayscale version is **51.3605, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.0595, 0.3116, 0.3655**, and **27.4195, 0.3084, 0.4016** is the 20% darker color. If you saturate the color by 10%, you get **52.6072, 0.3086, 0.4170**, and if you desaturate by 10%, it is **58.5619, 0.3115, 0.3554**.

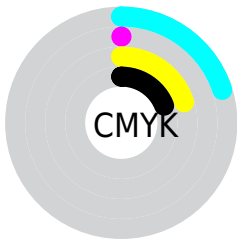
# Distribution



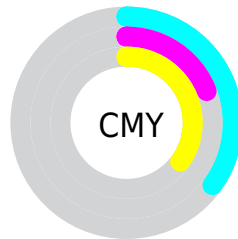
- Red (65%)
- Green (81%)
- Blue (65%)



- Red (65%)
- Yellow (81%)
- Blue (81%)



- Cyan (20%)
- Magenta (0%)
- Yellow (20%)
- Black (19%)




- Cyan (35%)
- Magenta (19%)
- Yellow (35%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 55.3416, 0.3101, 0.3846 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 55.3416, 0.3101, 0.3846 by changing the saturation by 10% instead.





 55.3416, 0.3101,  
0.3846

 55.3416, 0.3101,  
0.3846

407.2055, 0.3119,  
0.3567

 39.6753, 0.3095,  
0.3916

 98.0413, 0.3108,  
0.3744

 27.2855, 0.3087,  
0.4006


 125.8434, 0.3111,  
0.3706

 17.7877, 0.3075,  
0.4126


158.4596, 0.3113,  
0.3674

 10.7977, 0.3055,  
0.4294

196.2743, 0.3114,  
0.3646

 5.9310, 0.3021,  
0.4544

239.6718, 0.3116,  
0.3622

 2.8031, 0.2951,  
0.4953

289.0366, 0.3117,

 1.0298, 0.2981,

0.3601

0.7019

344.7530, 0.3118,  
0.3583

0.0000, 0.0000,  
0.0000

55.3416, 0.3101,  
0.3846

55.3416, 0.3101,  
0.3846

52.6072, 0.3086,  
0.4170

58.5619, 0.3115,  
0.3554

50.3286, 0.3069,  
0.4519

62.2826, 0.3127,  
0.3297

48.4831, 0.3053,  
0.4878

66.5263, 0.3137,  
0.3074

47.0432, 0.3036,  
0.5224

71.3121, 0.3146,  
0.2882

45.9785, 0.3022,  
0.5530

73.1079, 0.3149,  
0.2821

■ 45.2540, 0.3011,  
0.5769

■ 44.8286, 0.3004,  
0.5923

■ 44.6280, 0.3000,  
0.6000

# Harmonies

## Analogous

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



55.3416, 0.3457, 0.3939



55.3416, 0.3101, 0.3846



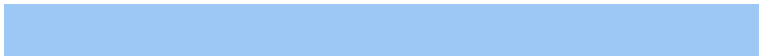
55.3416, 0.2765, 0.3573

# Triad

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



55.3416, 0.3101, 0.3846



55.3416, 0.2541, 0.2738



55.3416, 0.3757, 0.3306

# Complementary

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



55.3416, 0.3101, 0.3846



44.6805, 0.3151, 0.2790

# 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.



55.3416, 0.3483, 0.3024



55.3416, 0.3101, 0.3846



55.3416, 0.2778, 0.2705

# Square

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



55.3416, 0.3101, 0.3846



55.3416, 0.2454, 0.2919



55.3416, 0.3120, 0.2809



55.3416, 0.3849, 0.3600



# Rectangle

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



55.3416, 0.3101, 0.3846



55.3416, 0.2595, 0.3339



55.3416, 0.3120, 0.2809



55.3416, 0.3682, 0.3208

# Sweetspot

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



55.3440, 0.3101, 0.3846



96.2665, 0.3120, 0.3441



60.6105, 0.3431, 0.3792



20.5219, 0.3119, 0.3459



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

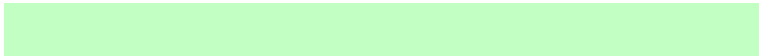


# Same Dimension

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



55.3440, 0.3101, 0.3846



86.8496, 0.3095, 0.3972



56.1723, 0.2961, 0.3562



13.2063, 0.3116, 0.3530



28.1163, 0.3000, 0.6000



1.5721, 0.3000, 0.5999



# Inverse Universe

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



44.6805, 0.3151, 0.2790



66.9736, 0.3155, 0.2691



43.7210, 0.3334, 0.3033



12.0090, 0.3138, 0.3061



11.1946, 0.3210, 0.1542



0.6259, 0.3210, 0.1542



# Previews

## White Background



This preview shows how the Yxy color 55.3416, 0.3101, 0.3846 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 55.3416, 0.3101, 0.3846 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

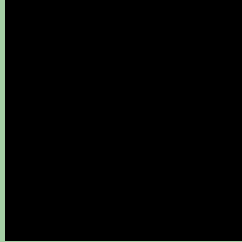
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 55.3416, 0.3101, 0.3846**

## **Background**



This preview shows how black text looks on a background with the Yxy color 55.3416, 0.3101, 0.3846.

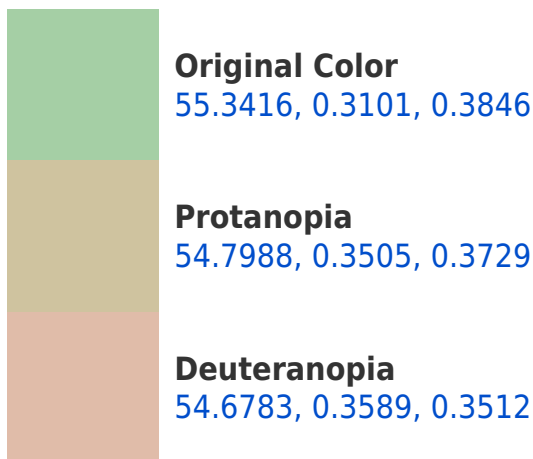


This preview shows how white text looks on a background with the Yxy color 55.3416, 0.3101, 0.3846.

# 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





## Tritanopia

55.2651, 0.2826, 0.3092

# Trichromacy



**Original Color**

55.3416, 0.3101, 0.3846

**Protanomaly**

54.6265, 0.3353, 0.3769

**Deuteranomaly**

54.5539, 0.3400, 0.3621

**Tritanomaly**

55.4010, 0.2930, 0.3366

# Monochromacy



**Original Color**

55.3416, 0.3101, 0.3846

**Achromatopsia**

51.4918, 0.3127, 0.3290

**Achromatomaly**

52.6398, 0.3118, 0.3482

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 55.3416, 0.3101, 0.3846 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(165, 207, 165)` looks like.

```
.text, #text, p{  
    color:rgb(165, 207, 165)  
}
```

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(165, 207, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 207, 165) }
```

## Border

The CSS property to change the border of an element to Yxy 55.3416, 0.3101, 0.3846 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(165, 207, 165) }
```

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

```
.border{ border-color:rgb(165, 207, 165) }
```

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

Here you see how a box with a 4 pixel rgb(165, 207, 165) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 207, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 207, 165);  
box-shadow:4px 4px 4px 4px rgb(165, 207,  
165) }
```



# Background

The CSS property to change the background color of an element to Yxy 55.3416, 0.3101, 0.3846 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 207, 165) }
```

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

```
.background{ background-color: rgb(165,  
207, 165) }
```

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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