

# Converting Colors

Yxy(51.7765, 0.3155, 0.3857)

Have a look what the booklet for  
Yxy(51.7765, 0.3155, 0.3857)  
contains.

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# Color

**Yxy(51.7765, 0.3155, 0.3857)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A5C89E
RGB	165, 200, 158
RGB Percent	65%, 78%, 62%
CMY	0.3527, 0.2157, 0.3804
CMYK	0.17, 0.00, 0.21, 0.22
HSL	110°, 28%, 70%
HSV	110°, 21%, 78%
XYZ	42.3528, 51.7765, 40.1110
YIQ	184.7470, -7.3780, -20.4820

# Conversions

## Conversions Part 2

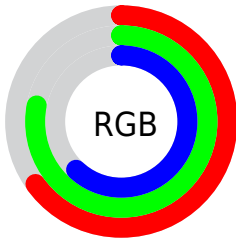
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">158, 200, 193</a>
Decimal	<a href="#">10864798</a>
CIELab	<a href="#">77.15, -19.59, 17.23</a>
CIELCh	<a href="#">77, 26.090, 138.680</a>
Yxy	<a href="#">51.7765, 0.3155, 0.3857</a>
Android (android.graphics.Color)	<a href="#">4289054878 (0xFFA5C89E)</a>
YUV	<a href="#">184.7470, -13.1863, -17.3181</a>
Hunter-Lab	<a href="#">71.9559, -20.8587, 17.3186</a>

# Details

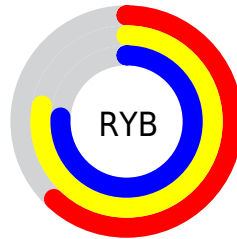
The Yxy color **51.7765, 0.3155, 0.3857** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **39.9536, 0.3087, 0.2763**, and the grayscale version is **48.4528, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.5397, 0.3150, 0.3731**, and **25.1091, 0.3163, 0.4034** is the 20% darker color. If you saturate the color by 10%, you get **49.4747, 0.3164, 0.4171**, and if you desaturate by 10%, it is **54.4269, 0.3143, 0.3570**.

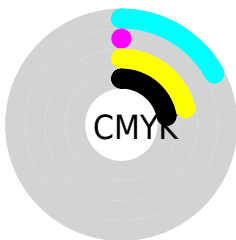
# Distribution



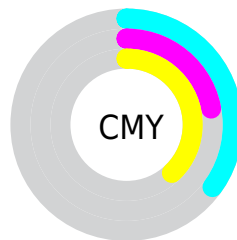
- Red (65%)
- Green (78%)
- Blue (62%)



- Red (62%)
- Yellow (78%)
- Blue (76%)



- Cyan (17%)
- Magenta (0%)
- Yellow (21%)
- Black (22%)



- Cyan (35%)
- Magenta (22%)
- Yellow (38%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 51.7765, 0.3155, 0.3857 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 51.7765, 0.3155, 0.3857 by changing the saturation by 10% instead.




 51.7765, 0.3155,  
0.3857

 51.7765, 0.3155,  
0.3857


393.5732, 0.3146,  
0.3569

 36.8270, 0.3156,  
0.3930


 92.8015, 0.3153,  
0.3752

 25.0735, 0.3155,  
0.4024


 119.6458, 0.3152,  
0.3712

 16.1319, 0.3153,  
0.4151


151.2238, 0.3151,  
0.3679

 9.6175, 0.3147,  
0.4329

187.9199, 0.3150,  
0.3651

 5.1461, 0.3130,  
0.4598

230.1185, 0.3149,  
0.3626

 2.3332, 0.3083,  
0.5050

278.2040, 0.3148,

 0.7912, 0.2570,

0.3605

0.7430


332.5607, 0.3147,  
0.3586

 0.0000, 0.0000,  
0.0000

 51.7765, 0.3155,  
0.3857


 51.7765, 0.3155,  
0.3857


 49.4747, 0.3164,  
0.4171


 54.4269, 0.3143,  
0.3570


 47.5006, 0.3168,  
0.4504


 57.4327, 0.3129,  
0.3314

 45.8410, 0.3165,  
0.4845

 60.8089, 0.3113,  
0.3087

 44.4795, 0.3155,  
0.5174

 64.5676, 0.3098,  
0.2889

 43.3978, 0.3136,  
0.5469

 68.5254, 0.3103,  
0.2743

■ 42.5759, 0.3109,  
0.5707

■ 69.7837, 0.3152,  
0.2752

■ 41.9907, 0.3077,  
0.5871

■ 41.6374, 0.3049,  
0.5961

# Harmonies

## Analogous

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



51.7765, 0.3497, 0.3919



51.7765, 0.3155, 0.3857



51.7765, 0.2818, 0.3613

# Triad

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



51.7765, 0.3155, 0.3857



51.7765, 0.2533, 0.2769



51.7765, 0.3710, 0.3263

# Complementary

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



51.7765, 0.3155, 0.3857



39.9536, 0.3087, 0.2763

# 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.



51.7765, 0.3425, 0.2994



51.7765, 0.3155, 0.3857



51.7765, 0.2745, 0.2714

# Square

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



51.7765, 0.3155, 0.3857



51.7765, 0.2472, 0.2966



51.7765, 0.3068, 0.2797



51.7765, 0.3830, 0.3552



# Rectangle

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



51.7765, 0.3155, 0.3857



51.7765, 0.2640, 0.3390



51.7765, 0.3068, 0.2797



51.7765, 0.3630, 0.3168

# Sweetspot

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



51.7787, 0.3155, 0.3857



96.7189, 0.3136, 0.3441



52.5746, 0.3459, 0.3718



20.6284, 0.3137, 0.3458



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

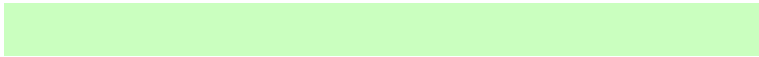


# Same Dimension

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



51.7787, 0.3155, 0.3857



87.8447, 0.3159, 0.3991



51.5251, 0.3008, 0.3679



11.9721, 0.3141, 0.3527



26.5045, 0.3055, 0.5956



1.2824, 0.3182, 0.5855



# Inverse Universe

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



39.9536, 0.3087, 0.2763



63.8744, 0.3076, 0.2650



40.3083, 0.3270, 0.2931



10.7229, 0.3111, 0.3060



7.8659, 0.2791, 0.1311

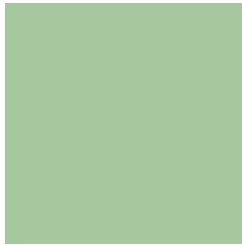


0.3970, 0.2883, 0.1362



# Previews

## White Background



This preview shows how the Yxy color 51.7765, 0.3155, 0.3857 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 51.7765, 0.3155, 0.3857 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

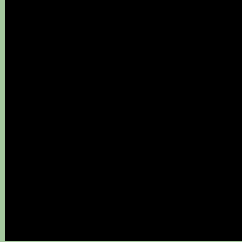
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 51.7765, 0.3155, 0.3857**

## **Background**



This preview shows how black text looks on a background with the Yxy color 51.7765, 0.3155, 0.3857.



This preview shows how white text looks on a background with the Yxy color 51.7765, 0.3155, 0.3857.

# 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

51.7765, 0.3155, 0.3857

### Protanopia

51.6834, 0.3522, 0.3752

### Deuteranopia

51.3810, 0.3609, 0.3541



## Tritanopia

51.5782, 0.2866, 0.3100

# Trichromacy



**Original Color**

51.7765, 0.3155, 0.3857

**Protanomaly**

51.7689, 0.3383, 0.3792

**Deuteranomaly**

51.1105, 0.3433, 0.3642

**Tritanomaly**

51.7436, 0.2968, 0.3368

# Monochromacy



**Original Color**

51.7765, 0.3155, 0.3857

**Achromatopsia**

48.5150, 0.3127, 0.3290

**Achromatomaly**

49.3870, 0.3143, 0.3487

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 51.7765, 0.3155, 0.3857 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, 200, 158)` looks like.

```
.text, #text, p{  
    color:rgb(165, 200, 158)  
}
```

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, 200, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 200, 158) }
```

## Border

The CSS property to change the border of an element to Yxy 51.7765, 0.3155, 0.3857 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, 200, 158) }
```

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

```
.border{ border-color:rgb(165, 200, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 200, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 200, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 200, 158);  
box-shadow:4px 4px 4px 4px rgb(165, 200,  
158) }
```



# Background

The CSS property to change the background color of an element to Yxy 51.7765, 0.3155, 0.3857 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 200, 158) }
```

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

```
.background{ background-color: rgb(165,  
200, 158) }
```

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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