

# Converting Colors

Yxy(63.9385, 0.3121, 0.4306)

Have a look what the booklet for  
Yxy(63.9385, 0.3121, 0.4306)  
contains.

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# Color

**Yxy(64.0767, 0.3118, 0.4305)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9BE395
RGB	155, 227, 149
RGB Percent	61%, 89%, 58%
CMY	0.3922, 0.1098, 0.4157
CMYK	0.32, 0.00, 0.34, 0.11
HSL	115°, 58%, 74%
HSV	115°, 34%, 89%
XYZ	46.4091, 64.0767, 38.3567
YIQ	196.5800, -17.8740, -39.5220

# Conversions

## Conversions Part 2

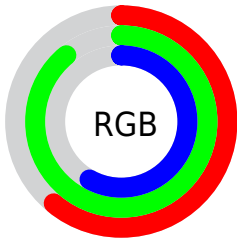
Format	Color
<b>RYB</b>	149, 227, 221
Decimal	10216341
CIELab	84.01, -37.34, 31.17
CIElCh	84, 48.638, 140.140
Yxy	64.0767, 0.3118, 0.4305
Android (android.graphics.Color)	4288406421 (0xFF9BE395)
YUV	196.5800, -23.4569, -36.4657
Hunter-Lab	80.0479, -36.5956, 27.6234

# Details

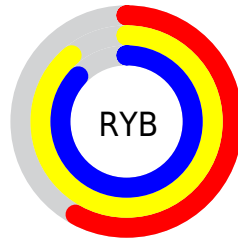
The Yxy color **64.0767, 0.3118, 0.4305** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **42.4196, 0.3113, 0.2426**, and the grayscale version is **55.7198, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.7285, 0.3144, 0.3837**, and **32.7556, 0.3097, 0.4593** is the 20% darker color. If you saturate the color by 10%, you get **61.5268, 0.3109, 0.4655**, and if you desaturate by 10%, it is **67.1333, 0.3124, 0.3973**.

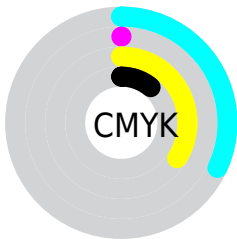
# Distribution



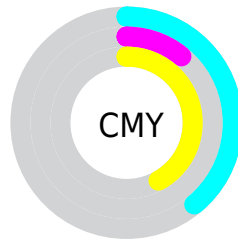
- Red (61%)
- Green (89%)
- Blue (58%)



- Red (58%)
- Yellow (89%)
- Blue (87%)



- Cyan (32%)
- Magenta (0%)
- Yellow (34%)
- Black (11%)




- Cyan (39%)
- Magenta (11%)
- Yellow (42%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 64.0767, 0.3118, 0.4305 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 64.0767, 0.3118, 0.4305 by changing the saturation by 10% instead.





 64.0767, 0.3118,  
0.4305


 64.0767, 0.3118,  
0.4305


439.4666, 0.3138,  
0.3798

 46.7128, 0.3108,  
0.4430


 110.7214, 0.3129,  
0.4122

 32.8087, 0.3093,  
0.4590


 140.7710, 0.3132,  
0.4052

 21.9799, 0.3069,  
0.4799


175.8179, 0.3134,  
0.3994

 13.8421, 0.3027,  
0.5084

216.2466, 0.3136,  
0.3944

 8.0110, 0.2951,  
0.5493

262.4414, 0.3137,  
0.3900

 4.1020, 0.2802,  
0.6130

314.7867, 0.3137,

 1.7308, 0.2452,

0.3862

0.7548

373.6670, 0.3138,  
0.3828

0.4435, 0.0000,  
1.0000

0.0000, 0.0000,  
0.0000

64.0767, 0.3118,  
0.4305

64.0767, 0.3118,  
0.4305

61.5268, 0.3109,  
0.4655

67.1333, 0.3124,  
0.3973

59.4487, 0.3096,  
0.5006

70.7132, 0.3127,  
0.3669

57.8156, 0.3080,  
0.5336

74.8425, 0.3127,  
0.3398

56.5949, 0.3061,  
0.5616

79.5429, 0.3127,  
0.3160

■ 55.7495, 0.3041,  
0.5825

■ 83.4225, 0.3140,  
0.3019

■ 55.2354, 0.3022,  
0.5949

■ 55.0653, 0.3014,  
0.5989

# Harmonies

## Analogous

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



64.0767, 0.3707, 0.4393



64.0767, 0.3118, 0.4305



64.0767, 0.2561, 0.3837

# Triad

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



64.0767, 0.3118, 0.4305



64.0767, 0.2150, 0.2399



64.0767, 0.4165, 0.3239

# Complementary

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



64.0767, 0.3118, 0.4305



42.4196, 0.3113, 0.2426

# 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.



64.0767, 0.3665, 0.2810



64.0767, 0.3118, 0.4305



64.0767, 0.2496, 0.2343

# Square

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



64.0767, 0.3118, 0.4305



64.0767, 0.2040, 0.2689



64.0767, 0.3039, 0.2492



64.0767, 0.4348, 0.3710



# Rectangle

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



64.0767, 0.3118, 0.4305



64.0767, 0.2281, 0.3417



64.0767, 0.3039, 0.2492



64.0767, 0.4026, 0.3088

# Sweetspot

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



64.0794, 0.3118, 0.4305



94.2698, 0.3127, 0.3549



69.9555, 0.3666, 0.4081



20.0180, 0.3127, 0.3588



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

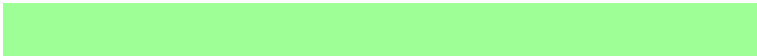


# Same Dimension

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



64.0794, 0.3118, 0.4305



81.0527, 0.3112, 0.4546



64.6894, 0.2892, 0.3876



16.1416, 0.3127, 0.3532



32.1310, 0.3017, 0.5986



2.3929, 0.3065, 0.5949



# Inverse Universe

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



42.4196, 0.3113, 0.2426



48.9483, 0.3108, 0.2257



41.7463, 0.3467, 0.2772



14.5561, 0.3126, 0.3058



11.2144, 0.3018, 0.1436



0.8455, 0.3048, 0.1452



# Previews

## White Background



This preview shows how the Yxy color 64.0767, 0.3118, 0.4305 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

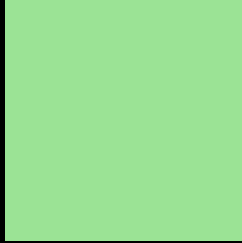
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 64.0767, 0.3118, 0.4305 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

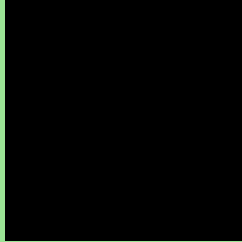
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 64.0767, 0.3118, 0.4305**

## **Background**



This preview shows how black text looks on a background with the Yxy color 64.0767, 0.3118, 0.4305.



This preview shows how white text looks on a background with the Yxy color 64.0767, 0.3118, 0.4305.

# 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



<b>Original Color</b>
<b>Protanopia</b>
<b>Deuteranopia</b>

64.0767, 0.3118, 0.4305
63.2036, 0.3759, 0.4045
63.2679, 0.3852, 0.3774



## Tritanopia

64.1123, 0.2709, 0.3088

# Trichromacy



## Original Color

64.0767, 0.3118, 0.4305



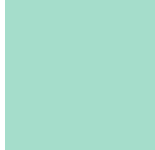
## Protanomaly

62.8939, 0.3502, 0.4144



## Deuteranomaly

62.5392, 0.3559, 0.3958



## Tritanomaly

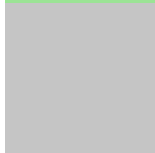
64.0240, 0.2861, 0.3512

# Monochromacy



## Original Color

64.0767, 0.3118, 0.4305



## Achromatopsia

55.8340, 0.3127, 0.3290



## Achromatomaly

58.3521, 0.3126, 0.3642

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 64.0767, 0.3118, 0.4305 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(155, 227, 149)` looks like.

```
.text, #text, p{  
    color:rgb(155, 227, 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(155, 227, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 227, 149) }
```

## Border

The CSS property to change the border of an element to Yxy 64.0767, 0.3118, 0.4305 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(155, 227, 149) }
```

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

```
.border{ border-color:rgb(155, 227, 149) }
```

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

Here you see how a box with a 4 pixel rgb(155, 227, 149) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 227, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 227, 149);  
box-shadow:4px 4px 4px 4px rgb(155, 227,  
149) }
```



# Background

The CSS property to change the background color of an element to Yxy 64.0767, 0.3118, 0.4305 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 227, 149) }
```

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

```
.background{ background-color: rgb(155,  
227, 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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