

# Converting Colors

Yxy(68.7258, 0.3181, 0.4509)

Have a look what the booklet for  
Yxy(68.7258, 0.3181, 0.4509)  
contains.

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# Color

**Yxy(68.4488, 0.3180, 0.4509)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9DEB8B
RGB	157, 235, 139
RGB Percent	62%, 92%, 55%
CMY	0.3842, 0.0784, 0.4550
CMYK	0.33, 0.00, 0.41, 0.08
HSL	109°, 71%, 73%
HSV	109°, 41%, 92%
XYZ	48.2739, 68.4488, 35.0821
YIQ	200.7340, -15.6720, -46.3920

# Conversions

## Conversions Part 2

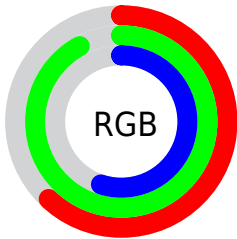
Format	Color
<a href="#">RYB</a>	<a href="#">139, 235, 217</a>
Decimal	<a href="#">10349451</a>
CIELab	<a href="#">86.23, -41.72, 39.15</a>
CIElCh	<a href="#">86, 57.211, 136.821</a>
Yxy	<a href="#">68.4488, 0.3180, 0.4509</a>
Android (android.graphics.Color)	<a href="#">4288539531 (0xFF9DEB8B)</a>
YUV	<a href="#">200.7340, -30.4349, -38.3547</a>
Hunter-Lab	<a href="#">82.7338, -40.6320, 32.7726</a>

# Details

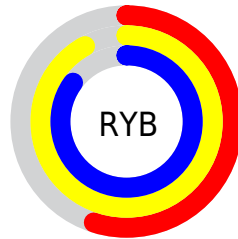
The Yxy color **68.4488, 0.3180, 0.4509** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **39.2007, 0.3012, 0.2235**, and the grayscale version is **58.4368, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.7112, 0.3220, 0.3944**, and **35.7531, 0.3162, 0.4847** is the 20% darker color. If you saturate the color by 10%, you get **66.0649, 0.3179, 0.4851**, and if you desaturate by 10%, it is **71.2860, 0.3173, 0.4174**.

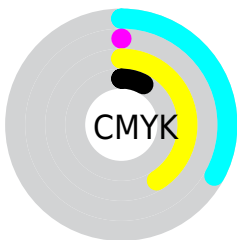
# Distribution



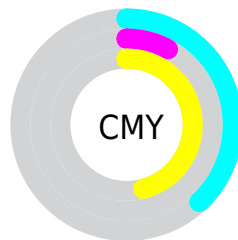
- Red (62%)
- Green (92%)
- Blue (55%)



- Red (55%)
- Yellow (92%)
- Blue (85%)



- Cyan (33%)
- Magenta (0%)
- Yellow (41%)
- Black (8%)




- Cyan (38%)
- Magenta (8%)
- Yellow (46%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 68.4488, 0.3180, 0.4509 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 68.4488, 0.3180, 0.4509 by changing the saturation by 10% instead.





 68.4488, 0.3180,  
0.4509


 68.4488, 0.3180,  
0.4509

455.0845, 0.3179,  
0.3905


 50.2629, 0.3173,  
0.4656


 116.9940, 0.3185,  
0.4292

 35.6224, 0.3160,  
0.4841


 148.1220, 0.3185,  
0.4210

 24.1427, 0.3136,  
0.5081


 184.3330, 0.3185,  
0.4140

 15.4395, 0.3092,  
0.5401

226.0112, 0.3184,  
0.4080

 9.1284, 0.3004,  
0.5846

273.5411, 0.3183,  
0.4027

 4.8250, 0.2857,  
0.6565

327.3070, 0.3182,

 2.1450, 0.2432,

0.3982

0.7568

387.6933, 0.3180,  
0.3941

0.6897, 0.0000,  
1.0000

0.0000, 0.0000,  
0.0000

68.4488, 0.3180,  
0.4509

68.4488, 0.3180,  
0.4509

66.0649, 0.3179,  
0.4851

71.2860, 0.3173,  
0.4174

64.1020, 0.3170,  
0.5180


74.5895, 0.3162,  
0.3858


62.5376, 0.3151,  
0.5474

78.3824, 0.3146,  
0.3570

61.3430, 0.3122,  
0.5709

82.6836, 0.3129,  
0.3311

 60.4856, 0.3088,  
0.5871

 87.4160, 0.3119,  
0.3096

 59.9576, 0.3055,  
0.5956

 87.8985, 0.3136,  
0.3097

# Harmonies

## Analogous

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



68.4488, 0.3845, 0.4537



68.4488, 0.3180, 0.4509



68.4488, 0.2536, 0.4003

# Triad

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



68.4488, 0.3180, 0.4509



68.4488, 0.1996, 0.2299



68.4488, 0.4274, 0.3164

# Complementary

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



68.4488, 0.3180, 0.4509



39.2007, 0.3012, 0.2235

# 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.



68.4488, 0.3664, 0.2697



68.4488, 0.3180, 0.4509



68.4488, 0.2352, 0.2216

# Square

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



68.4488, 0.3180, 0.4509



68.4488, 0.1903, 0.2647



68.4488, 0.2945, 0.2362



68.4488, 0.4526, 0.3688



# Rectangle

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



68.4488, 0.3180, 0.4509



68.4488, 0.2206, 0.3511



68.4488, 0.2945, 0.2362



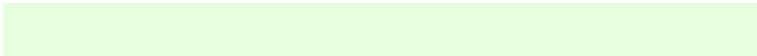
68.4488, 0.4100, 0.2998

# Sweetspot

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



68.4517, 0.3180, 0.4509



93.7714, 0.3148, 0.3602



68.5338, 0.3815, 0.4122



19.9374, 0.3150, 0.3639



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.



68.4517, 0.3180, 0.4509



79.9571, 0.3180, 0.4795



67.7241, 0.2914, 0.4164



16.9983, 0.3144, 0.3532



33.4086, 0.3062, 0.5950



2.6616, 0.3148, 0.5883



# Inverse Universe

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



39.2007, 0.3012, 0.2235



40.2741, 0.2977, 0.2027



40.5856, 0.3444, 0.2557



15.1624, 0.3108, 0.3056



9.5438, 0.2738, 0.1282

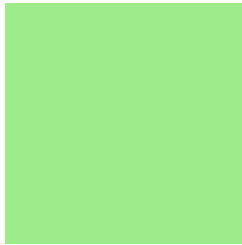


0.7863, 0.2807, 0.1320



# Previews

## White Background



This preview shows how the Yxy color 68.4488, 0.3180, 0.4509 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 68.4488, 0.3180, 0.4509 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 68.4488, 0.3180, 0.4509**

## **Background**



This preview shows how black text looks on a background with the Yxy color 68.4488, 0.3180, 0.4509.

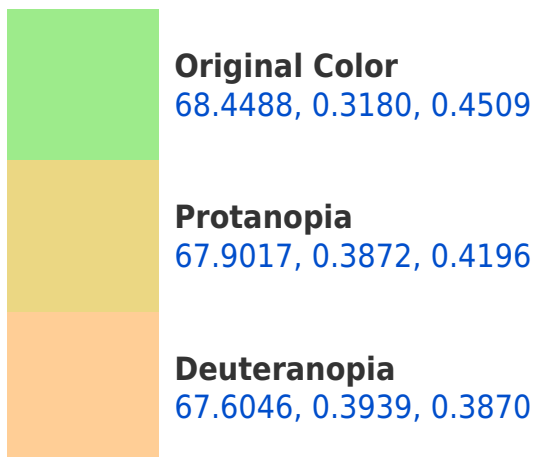


This preview shows how white text looks on a background with the Yxy color 68.4488, 0.3180, 0.4509.

# 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

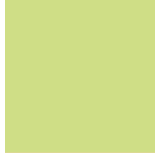
68.2402, 0.2707, 0.3082

# Trichromacy



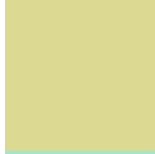
## Original Color

68.4488, 0.3180, 0.4509



## Protanomaly

67.2292, 0.3601, 0.4311



## Deuteranomaly

66.7611, 0.3634, 0.4097



## Tritanomaly

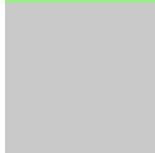
67.6226, 0.2878, 0.3570

# Monochromacy



## Original Color

68.4488, 0.3180, 0.4509



## Achromatopsia

58.4078, 0.3127, 0.3290



## Achromatomaly

61.1171, 0.3158, 0.3723

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 68.4488, 0.3180, 0.4509 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(157, 235, 139)` looks like.

```
.text, #text, p{  
    color:rgb(157, 235, 139)  
}
```

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(157, 235, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 235, 139) }
```

## Border

The CSS property to change the border of an element to Yxy 68.4488, 0.3180, 0.4509 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(157, 235, 139) }
```

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

```
.border{ border-color:rgb(157, 235, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 235, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(157, 235, 139); -webkit-box-shadow:4px 4px 4px 4px rgb(157, 235, 139); box-shadow:4px 4px 4px 4px rgb(157, 235, 139) }
```



# Background

The CSS property to change the background color of an element to Yxy 68.4488, 0.3180, 0.4509 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 235, 139) }
```

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

```
.background{ background-color: rgb(157,  
235, 139) }
```

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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