

# Converting Colors

$Yxy(68.1792, 0.2934, 0.3888)$

Have a look what the booklet for  
Yxy(68.1792, 0.2934, 0.3888)  
contains.

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# Color

**Yxy(68.4430, 0.2934, 0.3891)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9EE8B8
RGB	158, 232, 184
RGB Percent	62%, 91%, 72%
CMY	0.3804, 0.0902, 0.2783
CMYK	0.32, 0.00, 0.21, 0.09
HSL	141°, 62%, 76%
HSV	141°, 32%, 91%
XYZ	51.6093, 68.4430, 55.8485
YIQ	204.4020, -28.6960, -30.6160

# Conversions

## Conversions Part 2

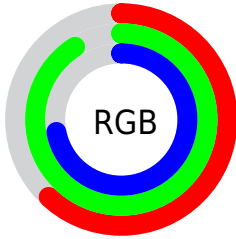
<b>Format</b>	<b>Color</b>
<b>RYB</b>	158, 213, 232
Decimal	10414264
CIELab	86.23, -32.72, 16.16
CIELCh	86, 36.496, 153.721
Yxy	68.4430, 0.2934, 0.3891
Android (android.graphics.Color)	4288604344 (0xFF9EE8B8)
YUV	204.4020, -10.0582, -40.6946
Hunter-Lab	82.7303, -33.4251, 17.8865

# Details

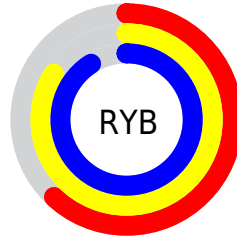
The Yxy color **68.4430, 0.2934, 0.3891** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **46.0633, 0.3392, 0.2758**, and the grayscale version is **60.7310, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.1074, 0.2963, 0.3445**, and **35.6324, 0.2879, 0.4050** is the 20% darker color. If you saturate the color by 10%, you get **65.7134, 0.2883, 0.4121**, and if you desaturate by 10%, it is **71.6895, 0.2992, 0.3680**.

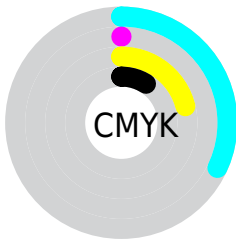
# Distribution



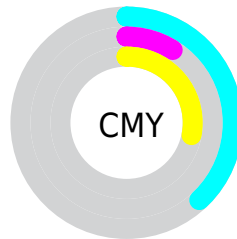
- Red (62%)
- Green (91%)
- Blue (72%)



- Red (62%)
- Yellow (84%)
- Blue (91%)



- Cyan (32%)
- Magenta (0%)
- Yellow (21%)
- Black (9%)




- Cyan (38%)
- Magenta (9%)
- Yellow (28%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 68.4430, 0.2934, 0.3891 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 68.4430, 0.2934, 0.3891 by changing the saturation by 10% instead.




 68.4430, 0.2934,  
0.3891


 68.4430, 0.2934,  
0.3891


455.0640, 0.3030,  
0.3598

 50.2582, 0.2910,  
0.3962


 116.9857, 0.2969,  
0.3786

 35.6186, 0.2880,  
0.4052


 148.1123, 0.2982,  
0.3746

 24.1398, 0.2840,  
0.4169


184.3218, 0.2993,  
0.3712

 15.4373, 0.2784,  
0.4328

225.9983, 0.3003,  
0.3683

 9.1269, 0.2703,  
0.4556

273.5264, 0.3011,  
0.3658

 4.8240, 0.2574,  
0.4908

327.2905, 0.3018,

 2.1444, 0.2346,

0.3635

0.5525

387.6749, 0.3025,  
0.3615

0.6894, 0.0000,  
1.0000

0.0000, 0.0000,  
0.0000

68.4430, 0.2934,  
0.3891

68.4430, 0.2934,  
0.3891

65.7134, 0.2883,  
0.4121

71.6895, 0.2992,  
0.3680

63.4649, 0.2842,  
0.4365

75.4694, 0.3053,  
0.3490

61.6708, 0.2813,  
0.4618

79.8089, 0.3115,  
0.3320

60.2977, 0.2801,  
0.4870

84.7301, 0.3178,  
0.3170

■ 59.3080, 0.2807,  
0.5112

■ 86.1958, 0.3138,  
0.3068

■ 58.6562, 0.2830,  
0.5332

■ 58.3188, 0.2858,  
0.5489

# Harmonies

## Analogous

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



68.4430, 0.3378, 0.4094



68.4430, 0.2934, 0.3891



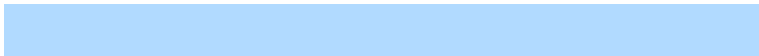
68.4430, 0.2559, 0.3488

# Triad

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



68.4430, 0.2934, 0.3891



68.4430, 0.2490, 0.2578



68.4430, 0.3981, 0.3430

# Complementary

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



68.4430, 0.2934, 0.3891



46.0633, 0.3392, 0.2758

# 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.



68.4430, 0.3709, 0.3075



68.4430, 0.2934, 0.3891



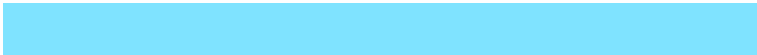
68.4430, 0.2831, 0.2603

# Square

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



68.4430, 0.2934, 0.3891



68.4430, 0.2319, 0.2729



68.4430, 0.3278, 0.2782



68.4430, 0.4001, 0.3778



# Rectangle

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



68.4430, 0.2934, 0.3891



68.4430, 0.2394, 0.3190



68.4430, 0.3278, 0.2782



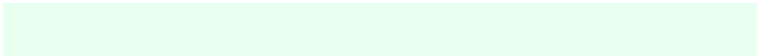
68.4430, 0.3916, 0.3309

# Sweetspot

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



68.4458, 0.2934, 0.3891



94.4609, 0.3064, 0.3457



73.3205, 0.3416, 0.4139



20.0642, 0.3055, 0.3482



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

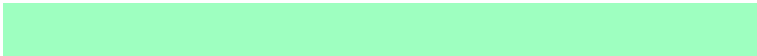


# Same Dimension

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



68.4458, 0.2934, 0.3891



82.6128, 0.2901, 0.4034



70.1996, 0.2730, 0.3422



16.1725, 0.3068, 0.3446



32.3965, 0.2850, 0.5460



2.4111, 0.2767, 0.5163



# Inverse Universe

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



46.0633, 0.3392, 0.2758



50.9642, 0.3462, 0.2652



44.4763, 0.3748, 0.3165



14.5246, 0.3191, 0.3139



10.7789, 0.4342, 0.2166

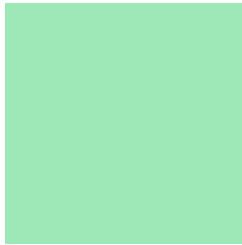


0.8140, 0.4134, 0.2051



# Previews

## White Background



This preview shows how the Yxy color 68.4430, 0.2934, 0.3891 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 68.4430, 0.2934, 0.3891 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

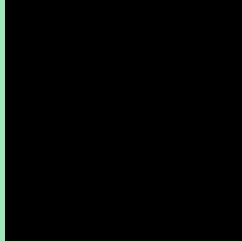
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 68.4430, 0.2934, 0.3891**

## **Background**



This preview shows how black text looks on a background with the Yxy color 68.4430, 0.2934, 0.3891.

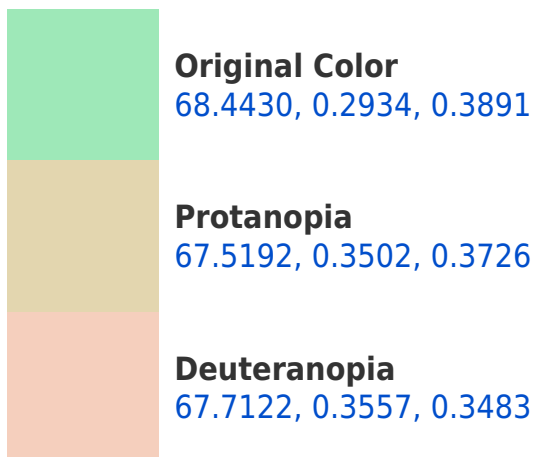


This preview shows how white text looks on a background with the Yxy color 68.4430, 0.2934, 0.3891.

# 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

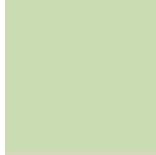
68.2682, 0.2674, 0.3081

# Trichromacy



## Original Color

68.4430, 0.2934, 0.3891



## Protanomaly

67.4838, 0.3276, 0.3795



## Deuteranomaly

66.8457, 0.3304, 0.3623



## Tritanomaly

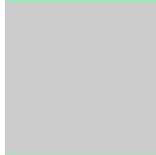
68.2656, 0.2769, 0.3361

# Monochromacy



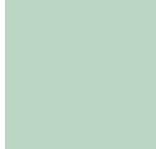
## Original Color

68.4430, 0.2934, 0.3891



## Achromatopsia

60.3827, 0.3127, 0.3290



## Achromatomaly

62.6891, 0.3045, 0.3495

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 68.4430, 0.2934, 0.3891 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(158, 232, 184)` looks like.

```
.text, #text, p{  
    color:rgb(158, 232, 184)  
}
```

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(158, 232, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 232, 184) }
```

## Border

The CSS property to change the border of an element to Yxy 68.4430, 0.2934, 0.3891 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(158, 232, 184) }
```

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

```
.border{ border-color:rgb(158, 232, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 232, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 232, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 232, 184);  
box-shadow:4px 4px 4px 4px rgb(158, 232,  
184) }
```



# Background

The CSS property to change the background color of an element to Yxy 68.4430, 0.2934, 0.3891 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 232, 184) }
```

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

```
.background{ background-color: rgb(158,  
232, 184) }
```

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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