

# Converting Colors

Yxy(68.4613, 0.2972, 0.4092)

Have a look what the booklet for  
Yxy(68.4613, 0.2972, 0.4092)  
contains.

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# Color

**Yxy(68.4613, 0.2972, 0.4092)**

# Conversions

## Conversions Part 1

Format	Color
Hex	98EAAB
RGB	152, 234, 171
RGB Percent	60%, 92%, 67%
CMY	0.4039, 0.0823, 0.3294
CMYK	0.35, 0.00, 0.27, 0.08
HSL	134°, 66%, 76%
HSV	134°, 35%, 92%
XYZ	49.7231, 68.4613, 49.1208
YIQ	202.3000, -28.6490, -36.9770

# Conversions

## Conversions Part 2

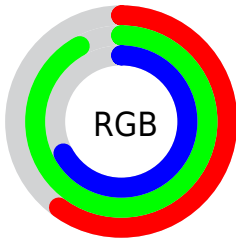
<b>Format</b>	<b>Color</b>
<b>RYB</b>	152, 219, 234
Decimal	10021547
CIELab	86.24, -37.79, 22.88
CIELCh	86, 44.180, 148.810
Yxy	68.4613, 0.2972, 0.4092
Android (android.graphics.Color)	4288211627 (0xFF98EAAB)
YUV	202.3000, -15.4309, -44.1131
Hunter-Lab	82.7413, -37.5284, 22.7204

# Details

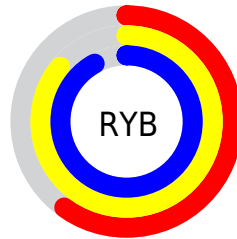
The Yxy color **68.4613, 0.2972, 0.4092** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **44.8589, 0.3335, 0.2605**, and the grayscale version is **59.3737, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.4759, 0.2998, 0.3587**, and **35.6902, 0.2921, 0.4323** is the 20% darker color. If you saturate the color by 10%, you get **65.7847, 0.2935, 0.4372**, and if you desaturate by 10%, it is **71.6823, 0.3014, 0.3832**.

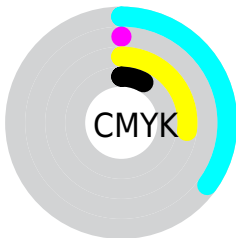
# Distribution



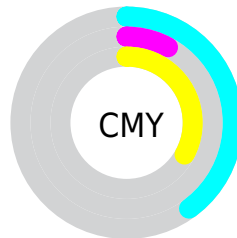
- Red (60%)
- Green (92%)
- Blue (67%)



- Red (60%)
- Yellow (86%)
- Blue (92%)



- Cyan (35%)
- Magenta (0%)
- Yellow (27%)
- Black (8%)




- Cyan (40%)
- Magenta (8%)
- Yellow (33%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 68.4613, 0.2972, 0.4092 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 68.4613, 0.2972, 0.4092 by changing the saturation by 10% instead.





 68.4613, 0.2972,  
0.4092


 68.4613, 0.2972,  
0.4092


455.1287, 0.3055,  
0.3697

 50.2731, 0.2950,  
0.4188

 117.0118, 0.3003,  
0.3950

 35.6305, 0.2921,  
0.4310


 148.1430, 0.3014,  
0.3896

 24.1489, 0.2882,  
0.4470


184.3572, 0.3024,  
0.3851

 15.4441, 0.2826,  
0.4688

226.0389, 0.3032,  
0.3811

 9.1317, 0.2739,  
0.5001

273.5725, 0.3039,  
0.3777

 4.8272, 0.2593,  
0.5482


327.3424, 0.3045,

 2.1462, 0.2389,


0.3747


0.6524

387.7330, 0.3050,  
0.3721

 0.6904, 0.0000,  
1.0000


 0.0000, 0.0000,  
0.0000


 68.4613, 0.2972,  
0.4092


 68.4613, 0.2972,  
0.4092


 65.7847, 0.2935,  
0.4372


 71.6823, 0.3014,  
0.3832

 63.6139, 0.2907,  
0.4664

 75.4667, 0.3059,  
0.3596

 61.9187, 0.2890,  
0.4957

 79.8433, 0.3104,  
0.3386

 60.6619, 0.2886,  
0.5235

 84.8362, 0.3149,  
0.3201

■ 59.8007, 0.2897,  
0.5482

■ 87.3277, 0.3137,  
0.3088

■ 59.2833, 0.2921,  
0.5683

■ 59.1160, 0.2935,  
0.5765

# Harmonies

## Analogous

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



68.4613, 0.3506, 0.4279



68.4613, 0.2972, 0.4092



68.4613, 0.2505, 0.3618

# Triad

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



68.4613, 0.2972, 0.4092



68.4613, 0.2318, 0.2454



68.4613, 0.4129, 0.3374

# Complementary

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



68.4613, 0.2972, 0.4092



44.8589, 0.3335, 0.2605

# 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.



68.4613, 0.3754, 0.2966



68.4613, 0.2972, 0.4092



68.4613, 0.2690, 0.2457

# Square

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



68.4613, 0.2972, 0.4092



68.4613, 0.2154, 0.2660



68.4613, 0.3213, 0.2641



68.4613, 0.4200, 0.3796



# Rectangle

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



68.4613, 0.2972, 0.4092



68.4613, 0.2289, 0.3247



68.4613, 0.3213, 0.2641



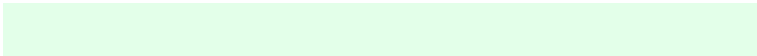
68.4613, 0.4033, 0.3233

# Sweetspot

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



68.4642, 0.2972, 0.4092



93.7515, 0.3077, 0.3510



75.7502, 0.3523, 0.4203



19.9152, 0.3071, 0.3539



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

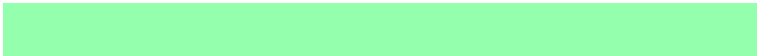


# Same Dimension

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



68.4642, 0.2972, 0.4092



80.8124, 0.2945, 0.4291



70.2156, 0.2753, 0.3573



16.9193, 0.3084, 0.3476



33.2348, 0.2928, 0.5741



2.6242, 0.2856, 0.5482



# Inverse Universe

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



44.8589, 0.3335, 0.2605



48.1325, 0.3390, 0.2467



43.0566, 0.3722, 0.3028



15.2506, 0.3173, 0.3111



11.6972, 0.3897, 0.1920

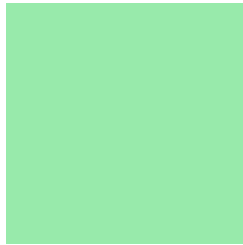


0.9330, 0.3782, 0.1857



# Previews

## White Background



This preview shows how the Yxy color 68.4613, 0.2972, 0.4092 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 68.4613, 0.2972, 0.4092 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

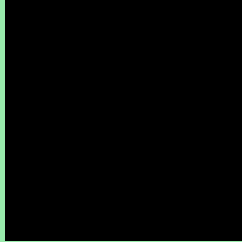
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 68.4613, 0.2972, 0.4092**

## **Background**



This preview shows how black text looks on a background with the Yxy color 68.4613, 0.2972, 0.4092.

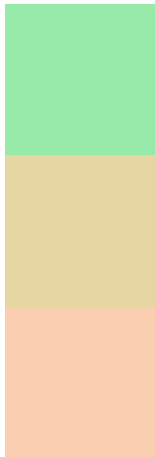


This preview shows how white text looks on a background with the Yxy color 68.4613, 0.2972, 0.4092.

# 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**

68.4613, 0.2972, 0.4092

**Protanopia**

67.5248, 0.3620, 0.3867

**Deuteranopia**

67.4567, 0.3684, 0.3598



## Tritanopia

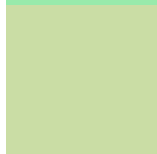
68.5370, 0.2654, 0.3080

# Trichromacy



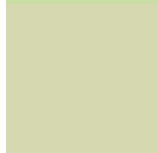
## Original Color

68.4613, 0.2972, 0.4092



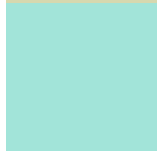
## Protanomaly

66.9861, 0.3363, 0.3952



## Deuteranomaly

66.5030, 0.3396, 0.3762



## Tritanomaly

68.1779, 0.2769, 0.3422

# Monochromacy



## Original Color

68.4613, 0.2972, 0.4092



## Achromatopsia

59.0619, 0.3127, 0.3290



## Achromatomaly

62.0451, 0.3063, 0.3571

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 68.4613, 0.2972, 0.4092 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(152, 234, 171)` looks like.

```
.text, #text, p{  
    color:rgb(152, 234, 171)  
}
```

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(152, 234, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 234, 171) }
```

## Border

The CSS property to change the border of an element to Yxy 68.4613, 0.2972, 0.4092 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(152, 234, 171) }
```

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

```
.border{ border-color:rgb(152, 234, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 234, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 234, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 234, 171);  
box-shadow:4px 4px 4px 4px rgb(152, 234,  
171) }
```



# Background

The CSS property to change the background color of an element to Yxy 68.4613, 0.2972, 0.4092 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 234, 171) }
```

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

```
.background{ background-color: rgb(152,  
234, 171) }
```

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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