

# Converting Colors

$Yxy(68.5700, 0.2915, 0.4042)$

Have a look what the booklet for  
Yxy(68.5700, 0.2915, 0.4042)  
contains.

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# Color

**Yxy(68.7543, 0.2915, 0.4043)**

# Conversions

## Conversions Part 1

Format	Color
Hex	93EBB0
RGB	147, 235, 176
RGB Percent	58%, 92%, 69%
CMY	0.4237, 0.0784, 0.3098
CMYK	0.37, 0.00, 0.25, 0.08
HSL	140°, 69%, 75%
HSV	140°, 37%, 92%
XYZ	49.5718, 68.7543, 51.7315
YIQ	201.9620, -33.5090, -37.0050

# Conversions

## Conversions Part 2

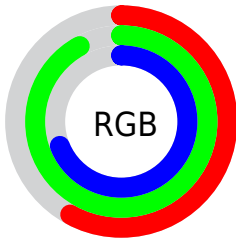
Format	Color
<b>RYB</b>	147, 213, 235
Decimal	9694128
CIELab	86.38, -38.83, 20.46
CIELCh	86, 43.891, 152.215
Yxy	68.7543, 0.2915, 0.4043
Android (android.graphics.Color)	4287884208 (0xFF93EBB0)
YUV	201.9620, -12.7993, -48.2017
Hunter-Lab	82.9182, -38.3925, 21.0525

# Details

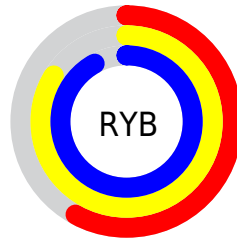
The Yxy color **68.7543, 0.2915, 0.4043** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **42.9741, 0.3435, 0.2644**, and the grayscale version is **59.1307, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.1836, 0.2948, 0.3534**, and **35.9456, 0.2854, 0.4256** is the 20% darker color. If you saturate the color by 10%, you get **66.2149, 0.2871, 0.4290**, and if you desaturate by 10%, it is **71.8155, 0.2967, 0.3813**.

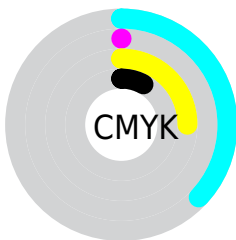
# Distribution



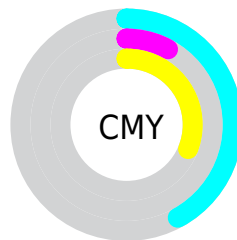
- Red (58%)
- Green (92%)
- Blue (69%)



- Red (58%)
- Yellow (84%)
- Blue (92%)



- Cyan (37%)
- Magenta (0%)
- Yellow (25%)
- Black (8%)




- Cyan (42%)
- Magenta (8%)
- Yellow (31%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 68.7543, 0.2915, 0.4043 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 68.7543, 0.2915, 0.4043 by changing the saturation by 10% instead.




 68.7543, 0.2915,  
0.4043


 68.7543, 0.2915,  
0.4043


456.1639, 0.3023,  
0.3673

 50.5116, 0.2888,  
0.4133


 117.4306, 0.2955,  
0.3910

 35.8201, 0.2852,  
0.4247


 148.6330, 0.2969,  
0.3860

 24.2953, 0.2805,  
0.4397


184.9241, 0.2982,  
0.3817

 15.5528, 0.2739,  
0.4601

226.6883, 0.2993,  
0.3780

 9.2083, 0.2641,  
0.4894

274.3100, 0.3002,  
0.3748

 4.8773, 0.2481,  
0.5346

328.1735, 0.3010,

 2.1754, 0.2220,

0.3720

0.6223

388.6634, 0.3017,  
0.3695

0.7066, 0.0000,  
1.0000

0.0000, 0.0000,  
0.0000

68.7543, 0.2915,  
0.4043

68.7543, 0.2915,  
0.4043

66.2149, 0.2871,  
0.4290

71.8155, 0.2967,  
0.3813

64.1590, 0.2838,  
0.4549


75.4171, 0.3024,  
0.3604

62.5568, 0.2820,  
0.4810

79.5873, 0.3083,  
0.3416


61.3711, 0.2818,  
0.5064

84.3499, 0.3142,  
0.3250

 60.5588, 0.2834,  
0.5298

 87.8872, 0.3138,  
0.3100

 60.0632, 0.2866,  
0.5501

 87.9031, 0.3136,  
0.3097

 59.9662, 0.2874,  
0.5548

# Harmonies

## Analogous

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



68.7543, 0.3445, 0.4268



68.7543, 0.2915, 0.4043



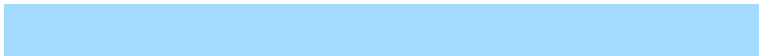
68.7543, 0.2467, 0.3553

# Triad

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



68.7543, 0.2915, 0.4043



68.7543, 0.2356, 0.2451



68.7543, 0.4145, 0.3422

# Complementary

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



68.7543, 0.2915, 0.4043



42.9741, 0.3435, 0.2644

# 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.



68.7543, 0.3803, 0.3011



68.7543, 0.2915, 0.4043



68.7543, 0.2747, 0.2475

# Square

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



68.7543, 0.2915, 0.4043



68.7543, 0.2168, 0.2631



68.7543, 0.3276, 0.2676



68.7543, 0.4179, 0.3838



# Rectangle

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



68.7543, 0.2915, 0.4043



68.7543, 0.2268, 0.3188



68.7543, 0.3276, 0.2676



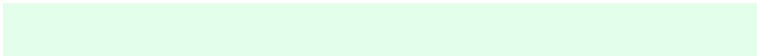
68.7543, 0.4062, 0.3281

# Sweetspot

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



68.7571, 0.2915, 0.4043



93.9106, 0.3061, 0.3481



74.8124, 0.3483, 0.4290



19.9530, 0.3053, 0.3506



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.



68.7571, 0.2915, 0.4043



80.3354, 0.2880, 0.4233



70.7301, 0.2686, 0.3485



16.9441, 0.3071, 0.3452



33.3913, 0.2866, 0.5519



2.6392, 0.2789, 0.5239



# Inverse Universe

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



42.9741, 0.3435, 0.2644



45.1071, 0.3522, 0.2514



41.1673, 0.3875, 0.3109



15.2244, 0.3188, 0.3133



11.2186, 0.4258, 0.2119

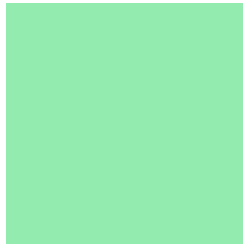


0.8986, 0.4076, 0.2019



# Previews

## White Background



This preview shows how the Yxy color 68.7543, 0.2915, 0.4043 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 68.7543, 0.2915, 0.4043 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 68.7543, 0.2915, 0.4043**

## **Background**



This preview shows how black text looks on a background with the Yxy color 68.7543, 0.2915, 0.4043.

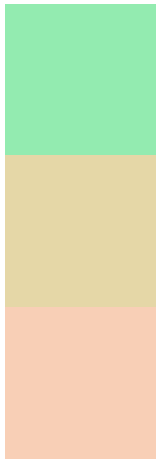


This preview shows how white text looks on a background with the Yxy color 68.7543, 0.2915, 0.4043.

# 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

68.7543, 0.2915, 0.4043

### Protanopia

68.0489, 0.3573, 0.3823

### Deuteranopia

67.9595, 0.3634, 0.3555



## Tritanopia

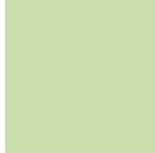
68.6057, 0.2623, 0.3079

# Trichromacy



## Original Color

68.7543, 0.2915, 0.4043



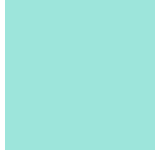
## Protanomaly

67.2869, 0.3305, 0.3907



## Deuteranomaly

66.7699, 0.3336, 0.3718



## Tritanomaly

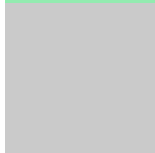
68.3212, 0.2731, 0.3410

# Monochromacy



## Original Color

68.7543, 0.2915, 0.4043



## Achromatopsia

59.0619, 0.3127, 0.3290



## Achromatomaly

61.8885, 0.3036, 0.3547

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 68.7543, 0.2915, 0.4043 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(147, 235, 176)` looks like.

```
.text, #text, p{  
    color:rgb(147, 235, 176)  
}
```

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(147, 235, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 235, 176) }
```

## Border

The CSS property to change the border of an element to Yxy 68.7543, 0.2915, 0.4043 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(147, 235, 176) }
```

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

```
.border{ border-color:rgb(147, 235, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 235, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 235, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 235, 176);  
box-shadow:4px 4px 4px 4px rgb(147, 235,  
176) }
```



# Background

The CSS property to change the background color of an element to Yxy 68.7543, 0.2915, 0.4043 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 235, 176) }
```

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

```
.background{ background-color: rgb(147,  
235, 176) }
```

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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