

# Converting Colors

$Yxy(68.3010, 0.2895, 0.3865)$

Have a look what the booklet for  
Yxy(68.3010, 0.2895, 0.3865)  
contains.

<b>Yxy(68.1711, 0.2893, 0.3856)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(68.1711, 0.2893, 0.3856)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9AE8BB
RGB	154, 232, 187
RGB Percent	60%, 91%, 73%
CMY	0.3963, 0.0901, 0.2667
CMYK	0.34, 0.00, 0.19, 0.09
HSL	145°, 63%, 76%
HSV	145°, 34%, 91%
XYZ	51.1460, 68.1711, 57.4752
YIQ	203.5480, -32.0430, -30.5310

# Conversions

## Conversions Part 2

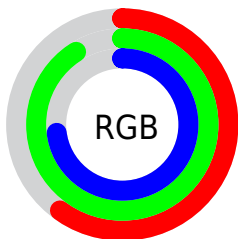
<b>Format</b>	<b>Color</b>
<b>RYB</b>	154, 209, 232
Decimal	10152123
CIELab	86.09, -33.36, 14.39
CIELCh	86, 36.333, 156.676
Yxy	68.1711, 0.2893, 0.3856
Android (android.graphics.Color)	4288342203 (0xFF9AE8BB)
YUV	203.5480, -8.1582, -43.4536
Hunter-Lab	82.5658, -33.9170, 16.5235

# Details

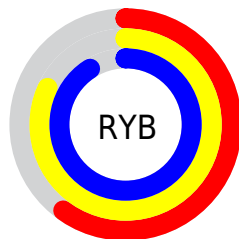
The Yxy color **68.1711, 0.2893, 0.3856** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **44.3767, 0.3464, 0.2788**, and the grayscale version is **60.1465, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.6927, 0.2924, 0.3414**, and **35.4812, 0.2830, 0.4003** is the 20% darker color. If you saturate the color by 10%, you get **65.5673, 0.2836, 0.4061**, and if you desaturate by 10%, it is **71.2738, 0.2958, 0.3667**.

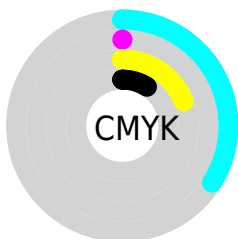
# Distribution



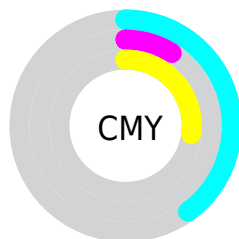
- Red (60%)
- Green (91%)
- Blue (73%)



- Red (60%)
- Yellow (82%)
- Blue (91%)



- Cyan (34%)
- Magenta (0%)
- Yellow (19%)
- Black (9%)




- Cyan (40%)
- Magenta (9%)
- Yellow (27%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 68.1711, 0.2893, 0.3856 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 68.1711, 0.2893, 0.3856 by changing the saturation by 10% instead.




 68.1711, 0.2893,  
0.3856

 68.1711, 0.2893,  
0.3856


454.1020, 0.3008,  
0.3580

 50.0369, 0.2865,  
0.3923

 116.5969, 0.2934,  
0.3757

 35.4428, 0.2830,  
0.4007


 147.6573, 0.2950,  
0.3720

 24.0041, 0.2783,  
0.4117

183.7953, 0.2963,  
0.3688

 15.3367, 0.2720,  
0.4267

225.3951, 0.2975,  
0.3660

 9.0560, 0.2629,  
0.4481

272.8414, 0.2984,  
0.3636

 4.7777, 0.2486,  
0.4813

326.5183, 0.2993,

 2.1175, 0.2237,

0.3615

386.8104, 0.3001,  
0.3597

0.5387

0.6744, 0.0000,  
1.0000

0.0000, 0.0000,  
0.0000

68.1711, 0.2893,  
0.3856

68.1711, 0.2893,  
0.3856

65.5673, 0.2836,  
0.4061

71.2738, 0.2958,  
0.3667

63.4271, 0.2790,  
0.4279


74.8919, 0.3028,  
0.3495


61.7237, 0.2759,  
0.4506

79.0511, 0.3101,  
0.3342

60.4241, 0.2746,  
0.4733


83.7732, 0.3173,  
0.3205

 59.4900, 0.2753,  
0.4954

 86.1295, 0.3144,  
0.3079

 58.8755, 0.2778,  
0.5160

 86.2004, 0.3138,  
0.3068

 58.6063, 0.2800,  
0.5282

# Harmonies

## Analogous

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



68.1711, 0.3334, 0.4083



68.1711, 0.2893, 0.3856



68.1711, 0.2532, 0.3443

# Triad

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



68.1711, 0.2893, 0.3856



68.1711, 0.2519, 0.2575



68.1711, 0.3992, 0.3465

# Complementary

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



68.1711, 0.2893, 0.3856



44.3767, 0.3464, 0.2788

# 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.



68.1711, 0.3743, 0.3109



68.1711, 0.2893, 0.3856



68.1711, 0.2873, 0.2616

# Square

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



68.1711, 0.2893, 0.3856



68.1711, 0.2329, 0.2708



68.1711, 0.3323, 0.2808



68.1711, 0.3986, 0.3808



# Rectangle

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



68.1711, 0.2893, 0.3856



68.1711, 0.2378, 0.3149



68.1711, 0.3323, 0.2808



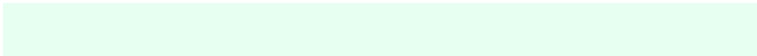
68.1711, 0.3936, 0.3344

# Sweetspot

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



68.1739, 0.2893, 0.3856



94.5692, 0.3054, 0.3438



72.2611, 0.3393, 0.4200



20.0903, 0.3044, 0.3460



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.



68.1739, 0.2893, 0.3856



82.2860, 0.2854, 0.3989



70.0501, 0.2684, 0.3367



16.1899, 0.3058, 0.3429



32.5559, 0.2792, 0.5251



2.4240, 0.2712, 0.4962



# Inverse Universe

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



44.3767, 0.3464, 0.2788



48.7869, 0.3554, 0.2688



42.8088, 0.3849, 0.3217



14.5066, 0.3203, 0.3155



10.5022, 0.4632, 0.2325

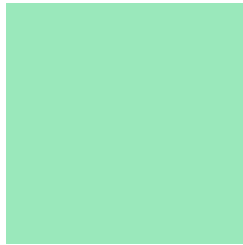


0.7946, 0.4368, 0.2180



# Previews

## White Background



This preview shows how the Yxy color 68.1711, 0.2893, 0.3856 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

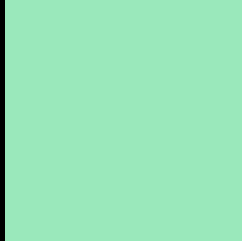
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 68.1711, 0.2893, 0.3856 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 68.1711, 0.2893, 0.3856**

## **Background**



This preview shows how black text looks on a background with the Yxy color 68.1711, 0.2893, 0.3856.

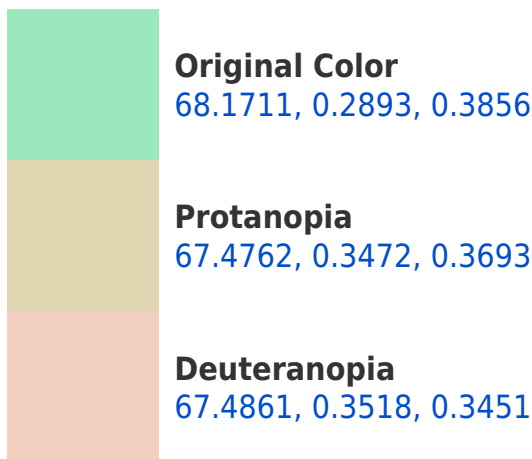


This preview shows how white text looks on a background with the Yxy color 68.1711, 0.2893, 0.3856.

# 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

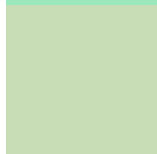
67.8291, 0.2652, 0.3080

# Trichromacy



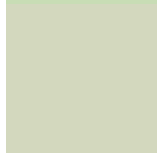
## Original Color

68.1711, 0.2893, 0.3856



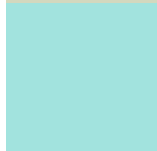
## Protanomaly

67.3285, 0.3241, 0.3761



## Deuteranomaly

66.6783, 0.3268, 0.3589



## Tritanomaly

67.8935, 0.2740, 0.3349

# Monochromacy



## Original Color

68.1711, 0.2893, 0.3856



## Achromatopsia

60.3827, 0.3127, 0.3290



## Achromatomaly

62.6095, 0.3032, 0.3483

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 68.1711, 0.2893, 0.3856 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(154, 232, 187)` looks like.

```
.text, #text, p{  
    color:rgb(154, 232, 187)  
}
```

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(154, 232, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 232, 187) }
```

## Border

The CSS property to change the border of an element to Yxy 68.1711, 0.2893, 0.3856 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(154, 232, 187) }
```

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

```
.border{ border-color:rgb(154, 232, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 232, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(154, 232, 187); -webkit-box-shadow:4px 4px 4px 4px rgb(154, 232, 187); box-shadow:4px 4px 4px 4px rgb(154, 232, 187) }
```



# Background

The CSS property to change the background color of an element to Yxy 68.1711, 0.2893, 0.3856 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 232, 187) }
```

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

```
.background{ background-color: rgb(154,  
232, 187) }
```

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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