

# Converting Colors

$Yxy(68.2658, 0.2816, 0.3750)$

Have a look what the booklet for  
Yxy(68.2658, 0.2816, 0.3750)  
contains.

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# Color

**Yxy(68.0883, 0.2814, 0.3742)**

# Conversions

## Conversions Part 1

Format	Color
Hex	95E8C4
RGB	149, 232, 196
RGB Percent	58%, 91%, 77%
CMY	0.4160, 0.0901, 0.2314
CMYK	0.36, 0.00, 0.16, 0.09
HSL	154°, 64%, 75%
HSV	154°, 36%, 91%
XYZ	51.2027, 68.0883, 62.6660
YIQ	203.0790, -37.9120, -28.7920

# Conversions

## Conversions Part 2

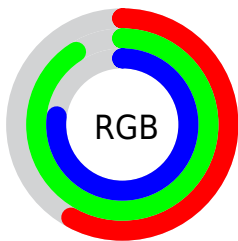
<b>Format</b>	<b>Color</b>
<b>RYB</b>	149, 202, 232
Decimal	9824452
CIELab	86.05, -33.04, 9.59
CIELCh	86, 34.398, 163.816
Yxy	68.0883, 0.2814, 0.3742
Android (android.graphics.Color)	4288014532 (0xFF95E8C4)
YUV	203.0790, -3.4899, -47.4273
Hunter-Lab	82.5156, -33.6393, 12.7335

# Details

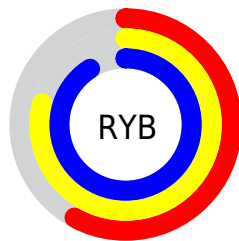
The Yxy color **68.0883, 0.2814, 0.3742** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **42.1272, 0.3612, 0.2883**, and the grayscale version is **59.8032, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.5910, 0.2843, 0.3310**, and **35.3833, 0.2735, 0.3867** is the 20% darker color. If you saturate the color by 10%, you get **65.6806, 0.2745, 0.3895**, and if you desaturate by 10%, it is **70.9669, 0.2894, 0.3600**.

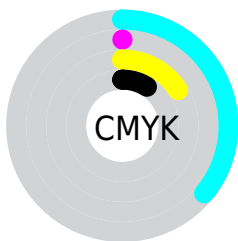
# Distribution



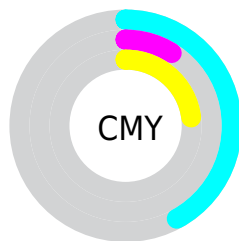
- Red (58%)
- Green (91%)
- Blue (77%)



- Red (58%)
- Yellow (79%)
- Blue (91%)



- Cyan (36%)
- Magenta (0%)
- Yellow (16%)
- Black (9%)




- Cyan (42%)
- Magenta (9%)
- Yellow (23%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 68.0883, 0.2814, 0.3742 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 68.0883, 0.2814, 0.3742 by changing the saturation by 10% instead.



 68.0883, 0.2814,  
0.3742


 68.0883, 0.2814,  
0.3742

453.8088, 0.2964,  
0.3523

 49.9696, 0.2779,  
0.3794


 116.4785, 0.2867,  
0.3664

 35.3892, 0.2734,  
0.3860


 147.5187, 0.2887,  
0.3635

 23.9629, 0.2677,  
0.3946


183.6348, 0.2905,  
0.3609

 15.3061, 0.2600,  
0.4062

225.2114, 0.2920,  
0.3587

 9.0345, 0.2492,  
0.4228

272.6326, 0.2933,  
0.3568

 4.7637, 0.2329,  
0.4482

326.2830, 0.2944,

 2.1093, 0.2059,

0.3552

0.4918

386.5469, 0.2955,  
0.3537

0.6698, 0.0000,  
0.9190

0.0000, 0.0000,  
0.0000

68.0883, 0.2814,  
0.3742

68.0883, 0.2814,  
0.3742

65.6806, 0.2745,  
0.3895

70.9669, 0.2894,  
0.3600

63.7088, 0.2689,  
0.4057


74.3324, 0.2981,  
0.3470

62.1465, 0.2651,  
0.4226


78.2102, 0.3073,  
0.3353


60.9605, 0.2631,  
0.4397


82.6215, 0.3166,  
0.3248

 60.1123, 0.2633,  
0.4567

 85.6552, 0.3193,  
0.3151

 59.5545, 0.2654,  
0.4732

 86.2041, 0.3138,  
0.3068

 59.3750, 0.2666,  
0.4799

# Harmonies

## Analogous

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



68.0883, 0.3225, 0.4009



68.0883, 0.2814, 0.3742



68.0883, 0.2501, 0.3335

# Triad

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



68.0883, 0.2814, 0.3742



68.0883, 0.2617, 0.2605



68.0883, 0.3968, 0.3541

# Complementary

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



68.0883, 0.2814, 0.3742



42.1272, 0.3612, 0.2883

# 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.



68.0883, 0.3786, 0.3198



68.0883, 0.2814, 0.3742



68.0883, 0.2984, 0.2680

# Square

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



68.0883, 0.2814, 0.3742



68.0883, 0.2395, 0.2692



68.0883, 0.3416, 0.2892



68.0883, 0.3904, 0.3850



# Rectangle

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



68.0883, 0.2814, 0.3742



68.0883, 0.2382, 0.3066



68.0883, 0.3416, 0.2892



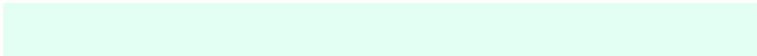
68.0883, 0.3933, 0.3426

# Sweetspot

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



68.0911, 0.2814, 0.3742



94.3043, 0.3024, 0.3413



70.3695, 0.3328, 0.4289



20.0466, 0.3012, 0.3429



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

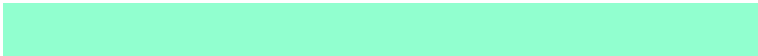


# Same Dimension

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



68.0911, 0.2814, 0.3742



82.0997, 0.2761, 0.3854



67.6209, 0.2617, 0.3238



16.2253, 0.3039, 0.3394



32.9823, 0.2659, 0.4773



2.4558, 0.2593, 0.4535



# Inverse Universe

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



42.1272, 0.3612, 0.2883



45.4627, 0.3757, 0.2799



42.1317, 0.3973, 0.3340



14.4712, 0.3225, 0.3189



10.0653, 0.5234, 0.2657

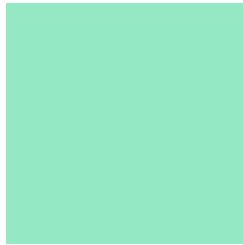


0.7621, 0.4866, 0.2454



# Previews

## White Background



This preview shows how the Yxy color 68.0883, 0.2814, 0.3742 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

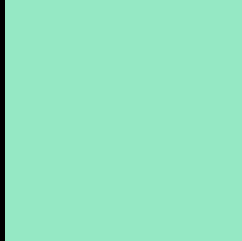
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 68.0883, 0.2814, 0.3742 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

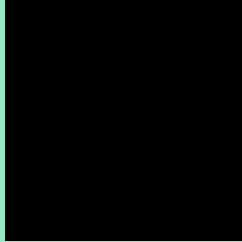
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

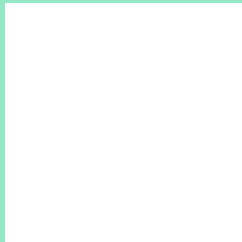
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 68.0883, 0.2814, 0.3742**

## **Background**



This preview shows how black text looks on a background with the Yxy color 68.0883, 0.2814, 0.3742.

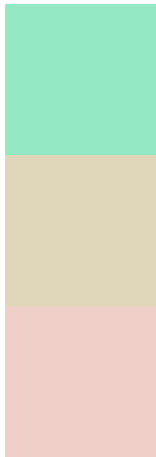


This preview shows how white text looks on a background with the Yxy color 68.0883, 0.2814, 0.3742.

# 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

68.0883, 0.2814, 0.3742

### Protanopia

67.4856, 0.3399, 0.3604

### Deuteranopia

67.3680, 0.3426, 0.3355



## Tritanopia

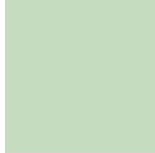
67.7951, 0.2615, 0.3078

# Trichromacy



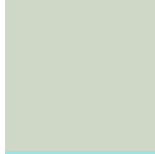
## Original Color

68.0883, 0.2814, 0.3742



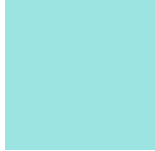
## Protanomaly

67.3009, 0.3160, 0.3655



## Deuteranomaly

66.5007, 0.3176, 0.3486



## Tritanomaly

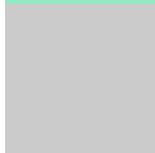
68.0457, 0.2686, 0.3313

# Monochromacy



## Original Color

68.0883, 0.2814, 0.3742



## Achromatopsia

59.7202, 0.3127, 0.3290



## Achromatomaly

62.3305, 0.2997, 0.3460

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 68.0883, 0.2814, 0.3742 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(149, 232, 196)` looks like.

```
.text, #text, p{  
    color:rgb(149, 232, 196)  
}
```

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(149, 232, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 232, 196) }
```

## Border

The CSS property to change the border of an element to Yxy 68.0883, 0.2814, 0.3742 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(149, 232, 196) }
```

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

```
.border{ border-color:rgb(149, 232, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(149, 232, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(149, 232, 196); -webkit-box-shadow:4px 4px 4px 4px rgb(149, 232, 196); box-shadow:4px 4px 4px 4px rgb(149, 232, 196) }
```



# Background

The CSS property to change the background color of an element to Yxy 68.0883, 0.2814, 0.3742 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 232, 196) }
```

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

```
.background{ background-color: rgb(149,  
232, 196) }
```

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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