

# Converting Colors

$Yxy(67.0306, 0.2858, 0.3782)$

Have a look what the booklet for  
Yxy(67.0306, 0.2858, 0.3782)  
contains.

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# Color

**Yxy(67.0306, 0.2858, 0.3782)**

# Conversions

## Conversions Part 1

Format	Color
Hex	98E6BF
RGB	152, 230, 191
RGB Percent	60%, 90%, 75%
CMY	0.4038, 0.0980, 0.2510
CMYK	0.34, 0.00, 0.17, 0.10
HSL	150°, 61%, 75%
HSV	150°, 34%, 90%
XYZ	50.6540, 67.0306, 59.5512
YIQ	202.2320, -33.9690, -28.6650

# Conversions

## Conversions Part 2

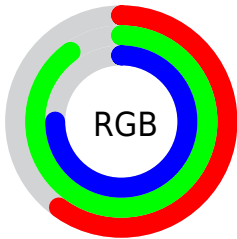
<b>Format</b>	<b>Color</b>
<b>RYB</b>	152, 204, 230
Decimal	10020543
CIELab	85.52, -32.20, 11.47
CIELCh	86, 34.187, 160.388
Yxy	67.0306, 0.2858, 0.3782
Android (android.graphics.Color)	4288210623 (0xFF98E6BF)
YUV	202.2320, -5.5374, -44.0535
Hunter-Lab	81.8722, -32.8392, 14.1849

# Details

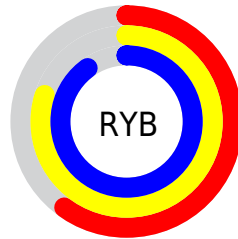
The Yxy color **67.0306, 0.2858, 0.3782** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **43.0565, 0.3525, 0.2848**, and the grayscale version is **59.2723, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.6453, 0.2891, 0.3372**, and **34.7038, 0.2785, 0.3904** is the 20% darker color. If you saturate the color by 10%, you get **64.5374, 0.2793, 0.3958**, and if you desaturate by 10%, it is **69.9995, 0.2932, 0.3619**.

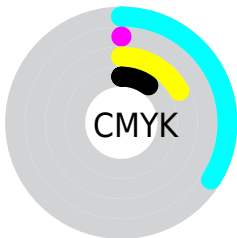
# Distribution



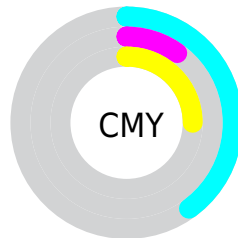
- Red (60%)
- Green (90%)
- Blue (75%)



- Red (60%)
- Yellow (80%)
- Blue (90%)



- Cyan (34%)
- Magenta (0%)
- Yellow (17%)
- Black (10%)




- Cyan (40%)
- Magenta (10%)
- Yellow (25%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 67.0306, 0.2858, 0.3782 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 67.0306, 0.2858, 0.3782 by changing the saturation by 10% instead.




 67.0306, 0.2858,  
0.3782


 67.0306, 0.2858,  
0.3782


450.0537, 0.2988,  
0.3543

 49.1095, 0.2827,  
0.3840


 114.9643, 0.2904,  
0.3696

 34.7063, 0.2787,  
0.3913

 145.7456, 0.2922,  
0.3664

 23.4368, 0.2736,  
0.4008


181.5825, 0.2937,  
0.3636

 14.9163, 0.2667,  
0.4138

222.8593, 0.2950,  
0.3612

 8.7607, 0.2568,  
0.4323

269.9604, 0.2962,  
0.3592

 4.5854, 0.2417,  
0.4611

323.2703, 0.2972,

 2.0061, 0.2157,

0.3573

0.5111

383.1732, 0.2980,  
0.3557

0.6110, 0.0000,  
1.0000

0.0000, 0.0000,  
0.0000

67.0306, 0.2858,  
0.3782

67.0306, 0.2858,  
0.3782

64.5374, 0.2793,  
0.3958

69.9995, 0.2932,  
0.3619

62.4856, 0.2741,  
0.4146

73.4596, 0.3011,  
0.3471

60.8497, 0.2705,  
0.4341


77.4359, 0.3094,  
0.3338


59.5977, 0.2687,  
0.4540


81.9492, 0.3178,  
0.3219

 58.6927, 0.2689,  
0.4736

 84.6634, 0.3180,  
0.3110

 58.0901, 0.2711,  
0.4923

 85.0729, 0.3138,  
0.3048

 57.8285, 0.2731,  
0.5032

# Harmonies

## Analogous

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



67.0306, 0.3273, 0.4024



67.0306, 0.2858, 0.3782



67.0306, 0.2530, 0.3383

# Triad

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



67.0306, 0.2858, 0.3782



67.0306, 0.2584, 0.2607



67.0306, 0.3958, 0.3501

# Complementary

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



67.0306, 0.2858, 0.3782



43.0565, 0.3525, 0.2848

# 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.



67.0306, 0.3750, 0.3160



67.0306, 0.2858, 0.3782



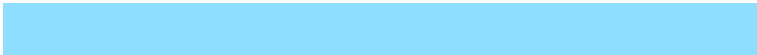
67.0306, 0.2937, 0.2665

# Square

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



67.0306, 0.2858, 0.3782



67.0306, 0.2382, 0.2714



67.0306, 0.3367, 0.2862



67.0306, 0.3922, 0.3818



# Rectangle

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



67.0306, 0.2858, 0.3782



67.0306, 0.2398, 0.3110



67.0306, 0.3367, 0.2862



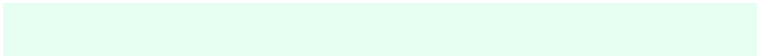
67.0306, 0.3915, 0.3387

# Sweetspot

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



67.0334, 0.2858, 0.3782



94.6856, 0.3043, 0.3418



70.1094, 0.3356, 0.4218



20.1184, 0.3031, 0.3437



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.



67.0334, 0.2858, 0.3782



82.3435, 0.2809, 0.3910



68.9126, 0.2654, 0.3304



16.2087, 0.3048, 0.3410



32.7644, 0.2723, 0.5004



2.4399, 0.2649, 0.4737



# Inverse Universe

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



43.0565, 0.3525, 0.2848



47.5173, 0.3646, 0.2752



41.6039, 0.3911, 0.3277



14.4877, 0.3214, 0.3173



10.2509, 0.4952, 0.2502

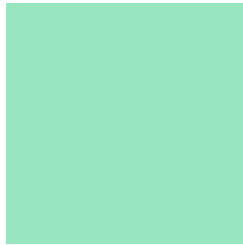


0.7763, 0.4629, 0.2324



# Previews

## White Background



This preview shows how the Yxy color 67.0306, 0.2858, 0.3782 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

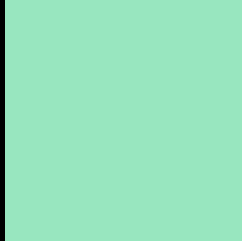
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 67.0306, 0.2858, 0.3782 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

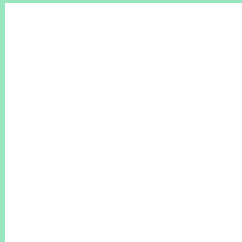
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 67.0306, 0.2858, 0.3782**

## **Background**



This preview shows how black text looks on a background with the Yxy color 67.0306, 0.2858, 0.3782.

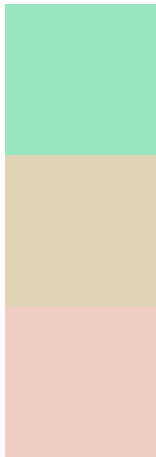


This preview shows how white text looks on a background with the Yxy color 67.0306, 0.2858, 0.3782.

# 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

67.0306, 0.2858, 0.3782

### Protanopia

66.3117, 0.3432, 0.3628

### Deuteranopia

65.9989, 0.3459, 0.3388



## Tritanopia

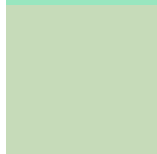
66.9128, 0.2639, 0.3078

# Trichromacy



## Original Color

67.0306, 0.2858, 0.3782



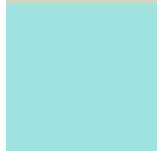
## Protanomaly

66.1716, 0.3202, 0.3693



## Deuteranomaly

65.2536, 0.3212, 0.3522



## Tritanomaly

67.0914, 0.2717, 0.3325

# Monochromacy



## Original Color

67.0306, 0.2858, 0.3782



## Achromatopsia

59.0619, 0.3127, 0.3290



## Achromatomaly

61.3545, 0.3018, 0.3460

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 67.0306, 0.2858, 0.3782 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, 230, 191)` looks like.

```
.text, #text, p{  
    color:rgb(152, 230, 191)  
}
```

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, 230, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 230, 191) }
```

## Border

The CSS property to change the border of an element to Yxy 67.0306, 0.2858, 0.3782 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, 230, 191) }
```

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

```
.border{ border-color:rgb(152, 230, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 230, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 230, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 230, 191);  
box-shadow:4px 4px 4px 4px rgb(152, 230,  
191) }
```



# Background

The CSS property to change the background color of an element to Yxy 67.0306, 0.2858, 0.3782 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 230, 191) }
```

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

```
.background{ background-color: rgb(152,  
230, 191) }
```

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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