

# Converting Colors

$Yxy(64.7027, 0.2894, 0.3699)$

Have a look what the booklet for  
Yxy(64.7027, 0.2894, 0.3699)  
contains.

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# Color

**Yxy(64.4880, 0.2890, 0.3693)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9FE0C0
RGB	159, 224, 192
RGB Percent	62%, 88%, 75%
CMY	0.3766, 0.1215, 0.2470
CMYK	0.29, 0.00, 0.14, 0.12
HSL	150°, 51%, 75%
HSV	150°, 29%, 88%
XYZ	50.4658, 64.4880, 59.6684
YIQ	200.9170, -28.4680, -23.7320

# Conversions

## Conversions Part 2

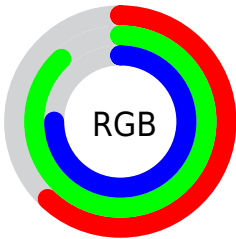
<b>Format</b>	<b>Color</b>
<b>RYB</b>	159, 202, 224
Decimal	10477760
CIELab	84.22, -27.10, 9.13
CIELCh	84, 28.598, 161.391
Yxy	64.4880, 0.2890, 0.3693
Android (android.graphics.Color)	4288667840 (0xFF9FE0C0)
YUV	200.9170, -4.3961, -36.7612
Hunter-Lab	80.3044, -28.3577, 12.1590

# Details

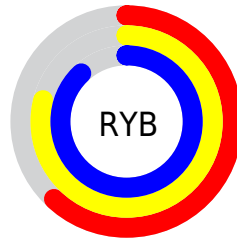
The Yxy color **64.4880, 0.2890, 0.3693** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **44.3958, 0.3456, 0.2921**, and the grayscale version is **58.3944, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.7444, 0.2926, 0.3361**, and **32.9335, 0.2828, 0.3784** is the 20% darker color. If you saturate the color by 10%, you get **61.9344, 0.2820, 0.3860**, and if you desaturate by 10%, it is **67.4985, 0.2968, 0.3540**.

# Distribution



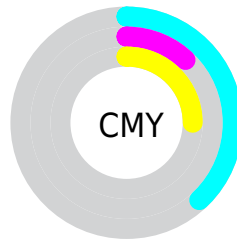
- Red (62%)
- Green (88%)
- Blue (75%)



- Red (62%)
- Yellow (79%)
- Blue (88%)



- Cyan (29%)
- Magenta (0%)
- Yellow (14%)
- Black (12%)




- Cyan (38%)
- Magenta (12%)
- Yellow (25%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 64.4880, 0.2890, 0.3693 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 64.4880, 0.2890, 0.3693 by changing the saturation by 10% instead.





 64.4880, 0.2890,  
0.3693

 64.4880, 0.2890,  
0.3693


440.9498, 0.3005,  
0.3497

 47.0460, 0.2862,  
0.3740


 111.3134, 0.2931,  
0.3623

 33.0720, 0.2828,  
0.3800


 141.4657, 0.2946,  
0.3596

 22.1816, 0.2782,  
0.3879


176.6235, 0.2960,  
0.3574

 13.9904, 0.2721,  
0.3986

217.1713, 0.2971,  
0.3554

 8.1140, 0.2634,  
0.4139

263.4934, 0.2981,  
0.3537

 4.1680, 0.2499,  
0.4379

315.9743, 0.2990,

 1.7680, 0.2266,

0.3522

0.4801

374.9983, 0.2998,  
0.3509

0.4671, 0.0000,  
1.0000

0.0000, 0.0000,  
0.0000

64.4880, 0.2890,  
0.3693

64.4880, 0.2890,  
0.3693

61.9344, 0.2820,  
0.3860

67.4985, 0.2968,  
0.3540

59.8064, 0.2760,  
0.4038

70.9793, 0.3051,  
0.3402

58.0813, 0.2715,  
0.4227


74.9533, 0.3135,  
0.3279


56.7310, 0.2687,  
0.4420


79.4393, 0.3220,  
0.3169


 55.7235, 0.2678,  
0.4615

 81.2978, 0.3193,  
0.3064

 55.0211, 0.2690,  
0.4804

 81.7956, 0.3141,  
0.2990

 54.5651, 0.2719,  
0.4984

 54.5267, 0.2722,  
0.5001

# Harmonies

## Analogous

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



64.4880, 0.3243, 0.3902



64.4880, 0.2890, 0.3693



64.4880, 0.2611, 0.3360

# Triad

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



64.4880, 0.2890, 0.3693



64.4880, 0.2673, 0.2704



64.4880, 0.3832, 0.3486

# Complementary

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



64.4880, 0.2890, 0.3693



44.3958, 0.3456, 0.2921

# 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.



64.4880, 0.3663, 0.3192



64.4880, 0.2890, 0.3693



64.4880, 0.2979, 0.2757

# Square

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



64.4880, 0.2890, 0.3693



64.4880, 0.2492, 0.2795



64.4880, 0.3344, 0.2931



64.4880, 0.3798, 0.3753



# Rectangle

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



64.4880, 0.2890, 0.3693



64.4880, 0.2500, 0.3131



64.4880, 0.3344, 0.2931



64.4880, 0.3797, 0.3388

# Sweetspot

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



64.4907, 0.2890, 0.3693



95.1984, 0.3050, 0.3403



66.9581, 0.3318, 0.4075



20.2213, 0.3038, 0.3422



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

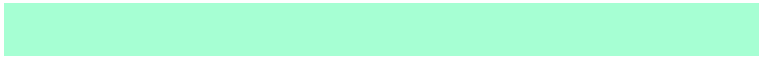


# Same Dimension

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



64.4907, 0.2890, 0.3693



84.3083, 0.2845, 0.3795



66.0662, 0.2708, 0.3289



15.4529, 0.3047, 0.3408



31.7593, 0.2715, 0.4974



2.2195, 0.2638, 0.4695



# Inverse Universe

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



44.3958, 0.3456, 0.2921



53.0772, 0.3552, 0.2839



43.1382, 0.3769, 0.3292



13.8124, 0.3215, 0.3175



9.9049, 0.4986, 0.2521

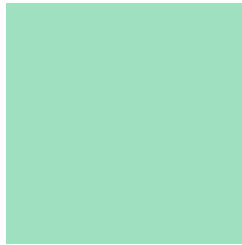


0.7046, 0.4639, 0.2329



# Previews

## White Background



This preview shows how the Yxy color 64.4880, 0.2890, 0.3693 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

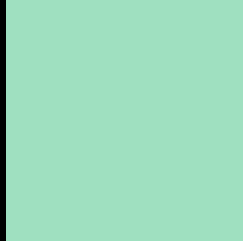
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 64.4880, 0.2890, 0.3693 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

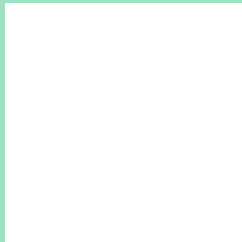
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 64.4880, 0.2890, 0.3693**

## **Background**



This preview shows how black text looks on a background with the Yxy color 64.4880, 0.2890, 0.3693.

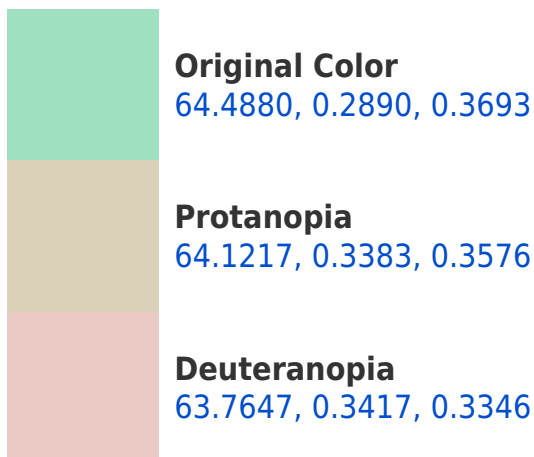


This preview shows how white text looks on a background with the Yxy color 64.4880, 0.2890, 0.3693.

# 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

64.4658, 0.2693, 0.3088

# Trichromacy



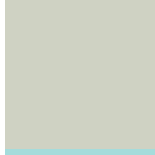
## Original Color

64.4880, 0.2890, 0.3693



## Protanomaly

63.5513, 0.3186, 0.3613



## Deuteranomaly

63.2987, 0.3209, 0.3465



## Tritanomaly

64.3002, 0.2767, 0.3301

# Monochromacy



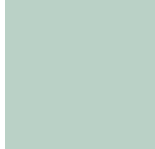
## Original Color

64.4880, 0.2890, 0.3693



## Achromatopsia

58.4078, 0.3127, 0.3290



## Achromatomaly

60.1172, 0.3032, 0.3424

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 64.4880, 0.2890, 0.3693 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(159, 224, 192)` looks like.

```
.text, #text, p{  
    color:rgb(159, 224, 192)  
}
```

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(159, 224, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 224, 192) }
```

## Border

The CSS property to change the border of an element to Yxy 64.4880, 0.2890, 0.3693 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(159, 224, 192) }
```

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

```
.border{ border-color:rgb(159, 224, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 224, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 224, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 224, 192);  
box-shadow:4px 4px 4px 4px rgb(159, 224,  
192) }
```



# Background

The CSS property to change the background color of an element to Yxy 64.4880, 0.2890, 0.3693 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 224, 192) }
```

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

```
.background{ background-color: rgb(159,  
224, 192) }
```

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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