

# Converting Colors

$Yxy(67.0358, 0.3009, 0.3670)$

Have a look what the booklet for  
Yxy(67.0358, 0.3009, 0.3670)  
contains.

<b>Yxy(67.2844, 0.3014, 0.3678)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(67.2844, 0.3014, 0.3678)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B3E1C1
RGB	179, 225, 193
RGB Percent	70%, 88%, 76%
CMY	0.2981, 0.1176, 0.2432
CMYK	0.20, 0.00, 0.14, 0.12
HSL	138°, 43%, 79%
HSV	138°, 20%, 88%
XYZ	55.1374, 67.2844, 60.5157
YIQ	207.5980, -17.1440, -19.7040

# Conversions

## Conversions Part 2

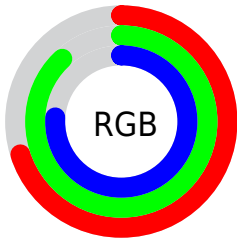
<b>Format</b>	<b>Color</b>
<b>RYB</b>	179, 214, 225
Decimal	11788737
CIELab	85.65, -21.13, 10.82
CIELCh	86, 23.740, 152.893
Yxy	67.2844, 0.3014, 0.3678
Android (android.graphics.Color)	4289978817 (0xFFB3E1C1)
YUV	207.5980, -7.1968, -25.0804
Hunter-Lab	82.0271, -23.5624, 13.6776

# Details

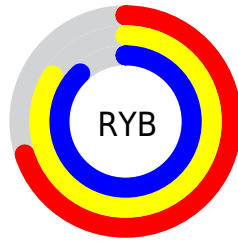
The Yxy color **67.2844, 0.3014, 0.3678** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **52.9516, 0.3262, 0.2931**, and the grayscale version is **62.8580, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.0217, 0.3039, 0.3349**, and **35.0492, 0.2991, 0.3792** is the 20% darker color. If you saturate the color by 10%, you get **64.1590, 0.2962, 0.3902**, and if you desaturate by 10%, it is **70.9270, 0.3069, 0.3477**.

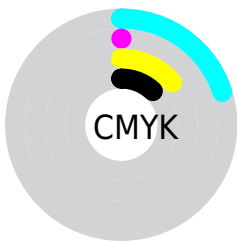
# Distribution



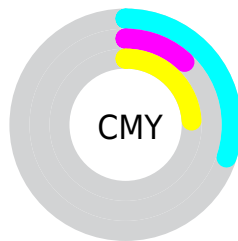
- Red (70%)
- Green (88%)
- Blue (76%)



- Red (70%)
- Yellow (84%)
- Blue (88%)



- Cyan (20%)
- Magenta (0%)
- Yellow (14%)
- Black (12%)




- Cyan (30%)
- Magenta (12%)
- Yellow (24%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 67.2844, 0.3014, 0.3678 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 67.2844, 0.3014, 0.3678 by changing the saturation by 10% instead.



 67.2844, 0.3014,  
0.3678

 67.2844, 0.3014,  
0.3678


450.9564, 0.3070,  
0.3491

 49.3158, 0.3000,  
0.3723

 115.3278, 0.3034,  
0.3611

 34.8700, 0.2983,  
0.3779


146.1714, 0.3042,  
0.3586

 23.5628, 0.2961,  
0.3853


182.0755, 0.3048,  
0.3564

 15.0096, 0.2929,  
0.3952

223.4244, 0.3054,  
0.3546

 8.8261, 0.2885,  
0.4093

270.6026, 0.3058,  
0.3529

 4.6279, 0.2814,  
0.4310


323.9944, 0.3063,

 2.0307, 0.2687,


0.3515


0.4684


383.9842, 0.3066,  
0.3502


 0.6252, 0.1114,  
0.8886


 0.0000, 0.0000,  
0.0000


 67.2844, 0.3014,  
0.3678


 67.2844, 0.3014,  
0.3678


 64.1590, 0.2962,  
0.3902


 70.9270, 0.3069,  
0.3477


 61.5188, 0.2915,  
0.4146

 75.1002, 0.3125,  
0.3298

 59.3412, 0.2876,  
0.4406

 79.8275, 0.3180,  
0.3140

 57.5986, 0.2849,  
0.4676

 82.3352, 0.3141,  
0.2999

■ 56.2601, 0.2836,  
0.4943

■ 55.2908, 0.2840,  
0.5197

■ 54.6494, 0.2861,  
0.5424

■ 54.2768, 0.2891,  
0.5608

# Harmonies

## Analogous

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



67.2844, 0.3308, 0.3807



67.2844, 0.3014, 0.3678



67.2844, 0.2759, 0.3430

# Triad

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



67.2844, 0.3014, 0.3678



67.2844, 0.2698, 0.2816



67.2844, 0.3680, 0.3388

# Complementary

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



67.2844, 0.3014, 0.3678



52.9516, 0.3262, 0.2931

# 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.



67.2844, 0.3501, 0.3145



67.2844, 0.3014, 0.3678



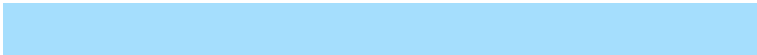
67.2844, 0.2928, 0.2824

# Square

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



67.2844, 0.3014, 0.3678



67.2844, 0.2583, 0.2929



67.2844, 0.3222, 0.2943



67.2844, 0.3701, 0.3619



# Rectangle

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



67.2844, 0.3014, 0.3678



67.2844, 0.2642, 0.3241



67.2844, 0.3222, 0.2943



67.2844, 0.3636, 0.3305

# Sweetspot

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



67.2872, 0.3014, 0.3678



96.5456, 0.3094, 0.3395



70.9888, 0.3332, 0.3815



20.5877, 0.3090, 0.3407



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

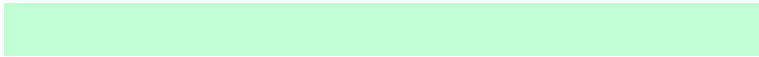


# Same Dimension

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



67.2872, 0.3014, 0.3678



87.3127, 0.2989, 0.3781



68.3861, 0.2876, 0.3398



15.4055, 0.3075, 0.3458



31.2922, 0.2884, 0.5581



2.1846, 0.2797, 0.5269



# Inverse Universe

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



52.9516, 0.3262, 0.2931



64.6657, 0.3300, 0.2845



51.8862, 0.3454, 0.3185



13.8610, 0.3184, 0.3128



10.6419, 0.4156, 0.2063



0.7533, 0.3975, 0.1963



# Previews

## White Background



This preview shows how the Yxy color 67.2844, 0.3014, 0.3678 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

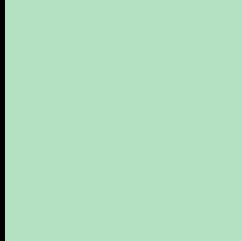
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 67.2844, 0.3014, 0.3678 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

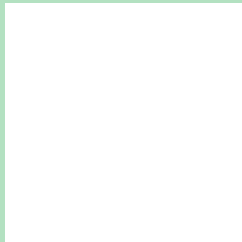
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 67.2844, 0.3014, 0.3678**

## **Background**



This preview shows how black text looks on a background with the Yxy color 67.2844, 0.3014, 0.3678.

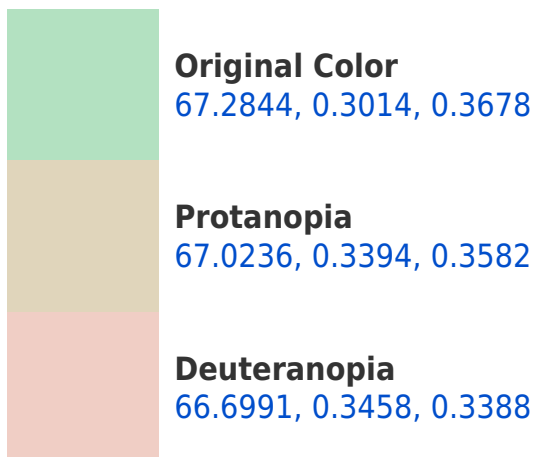


This preview shows how white text looks on a background with the Yxy color 67.2844, 0.3014, 0.3678.

# 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

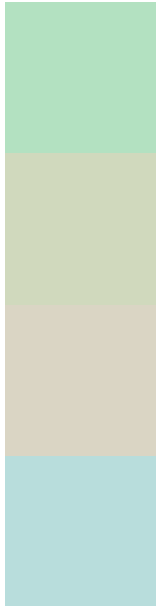




## Tritanopia

67.2840, 0.2805, 0.3095

# Trichromacy



**Original Color**

67.2844, 0.3014, 0.3678

**Protanomaly**

66.7097, 0.3251, 0.3614

**Deuteranomaly**

66.4794, 0.3283, 0.3482

**Tritanomaly**

67.0706, 0.2881, 0.3301

# Monochromacy



**Original Color**

67.2844, 0.3014, 0.3678

**Achromatopsia**

63.0757, 0.3127, 0.3290

**Achromatomaly**

64.2752, 0.3077, 0.3419

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  67.2844, 0.3014, 0.3678 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(179, 225, 193)` looks like.

```
.text, #text, p{  
    color:rgb(179, 225, 193)  
}
```

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(179, 225, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 225, 193) }
```

## Border

The CSS property to change the border of an element to Yxy 67.2844, 0.3014, 0.3678 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(179, 225, 193) }
```

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

```
.border{ border-color:rgb(179, 225, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 225, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 225, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 225, 193);  
box-shadow:4px 4px 4px 4px rgb(179, 225,  
193) }
```



# Background

The CSS property to change the background color of an element to Yxy 67.2844, 0.3014, 0.3678 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 225, 193) }
```

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

```
.background{ background-color: rgb(179,  
225, 193) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor