

# Converting Colors

$Yxy(66.5091, 0.3045, 0.3507)$

Have a look what the booklet for  
Yxy(66.5091, 0.3045, 0.3507)  
contains.

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# Color

**Yxy(66.5270, 0.3040, 0.3502)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BFDCCA
RGB	191, 220, 202
RGB Percent	75%, 86%, 79%
CMY	0.2508, 0.1373, 0.2077
CMYK	0.13, 0.00, 0.08, 0.14
HSL	143°, 29%, 81%
HSV	143°, 13%, 86%
XYZ	57.7505, 66.5270, 65.6911
YIQ	209.2770, -11.5060, -11.7460

# Conversions

## Conversions Part 2

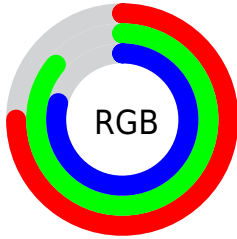
<b>Format</b>	<b>Color</b>
<b>RYB</b>	191, 212, 220
Decimal	12573898
CIELab	85.26, -13.00, 5.60
CIELCh	85, 14.150, 156.699
Yxy	66.5270, 0.3040, 0.3502
Android (android.graphics.Color)	4290763978 (0xFFBFDCCA)
YUV	209.2770, -3.5876, -16.0289
Hunter-Lab	81.5641, -16.3524, 9.3431

# Details

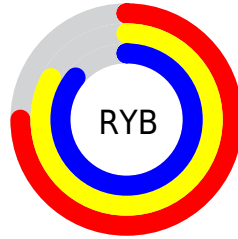
The Yxy color **66.5270, 0.3040, 0.3502** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **57.0995, 0.3226, 0.3087**, and the grayscale version is **63.9875, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.6965, 0.3084, 0.3290**, and **34.3668, 0.3014, 0.3558** is the 20% darker color. If you saturate the color by 10%, you get **63.2692, 0.2976, 0.3686**, and if you desaturate by 10%, it is **70.2761, 0.3106, 0.3338**.

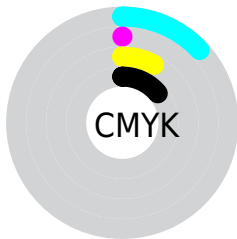
# Distribution



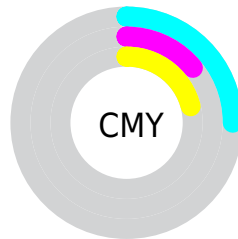
- Red (75%)
- Green (86%)
- Blue (79%)



- Red (75%)
- Yellow (83%)
- Blue (86%)



- Cyan (13%)
- Magenta (0%)
- Yellow (8%)
- Black (14%)




- Cyan (25%)
- Magenta (14%)
- Yellow (21%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 66.5270, 0.3040, 0.3502 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 66.5270, 0.3040, 0.3502 by changing the saturation by 10% instead.





 66.5270, 0.3040,  
0.3502

 66.5270, 0.3040,  
0.3502


448.2593, 0.3082,  
0.3401

 48.7003, 0.3030,  
0.3526


 114.2424, 0.3055,  
0.3466

 34.3818, 0.3018,  
0.3556


144.8999, 0.3060,  
0.3452

 23.1871, 0.3001,  
0.3595


180.6031, 0.3065,  
0.3441

 14.7317, 0.2980,  
0.3647

221.7365, 0.3070,  
0.3431

 8.6313, 0.2949,  
0.3721

268.6844, 0.3073,  
0.3422

 4.5015, 0.2902,  
0.3834


321.8313, 0.3076,

 1.9579, 0.2822,


0.3414


0.4024

381.5614, 0.3079,  
0.3407


 0.5828, 0.2227,  
0.5484

 0.0000, 0.0000,  
0.0000


 66.5270, 0.3040,  
0.3502


 66.5270, 0.3040,  
0.3502


 63.2692, 0.2976,  
0.3686


 70.2761, 0.3106,  
0.3338


 60.4737, 0.2916,  
0.3889

 74.5273, 0.3172,  
0.3193

 58.1213, 0.2863,  
0.4109

 78.9120, 0.3223,  
0.3064

 56.1882, 0.2820,  
0.4343

 79.6619, 0.3143,  
0.2950

■ 54.6483, 0.2792,  
0.4585

■ 53.4722, 0.2780,  
0.4827

■ 52.6265, 0.2787,  
0.5060

■ 52.0710, 0.2811,  
0.5274

■ 51.8138, 0.2835,  
0.5407

# Harmonies

## Analogous

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



66.5270, 0.3217, 0.3589



66.5270, 0.3040, 0.3502



66.5270, 0.2890, 0.3354

# Triad

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



66.5270, 0.3040, 0.3502



66.5270, 0.2883, 0.2999



66.5270, 0.3463, 0.3373

# Complementary

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



66.5270, 0.3040, 0.3502



57.0995, 0.3226, 0.3087

# 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.



66.5270, 0.3368, 0.3222



66.5270, 0.3040, 0.3502



66.5270, 0.3031, 0.3010

# Square

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



66.5270, 0.3040, 0.3502



66.5270, 0.2801, 0.3063



66.5270, 0.3209, 0.3091



66.5270, 0.3464, 0.3508



# Rectangle

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



66.5270, 0.3040, 0.3502



66.5270, 0.2823, 0.3244



66.5270, 0.3209, 0.3091



66.5270, 0.3441, 0.3323

# Sweetspot

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



66.5298, 0.3040, 0.3502



97.7155, 0.3100, 0.3351



68.5560, 0.3244, 0.3622



20.8259, 0.3095, 0.3363



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

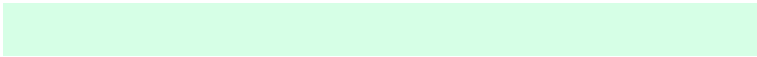


# Same Dimension

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



66.5298, 0.3040, 0.3502



91.5415, 0.3021, 0.3555



67.2289, 0.2951, 0.3334



14.6876, 0.3065, 0.3439



30.4317, 0.2827, 0.5378



1.9880, 0.2735, 0.5046



# Inverse Universe

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



57.0995, 0.3226, 0.3087



75.7171, 0.3251, 0.3039



56.4315, 0.3336, 0.3246



13.1867, 0.3195, 0.3146



10.0042, 0.4450, 0.2225

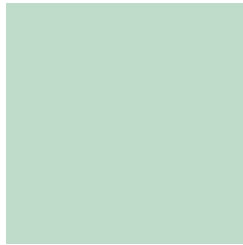


0.6647, 0.4194, 0.2084



# Previews

## White Background



This preview shows how the Yxy color 66.5270, 0.3040, 0.3502 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

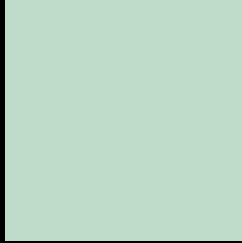
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 66.5270, 0.3040, 0.3502 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

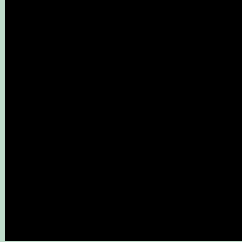
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

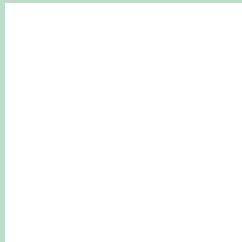
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 66.5270, 0.3040, 0.3502**

## **Background**



This preview shows how black text looks on a background with the Yxy color 66.5270, 0.3040, 0.3502.

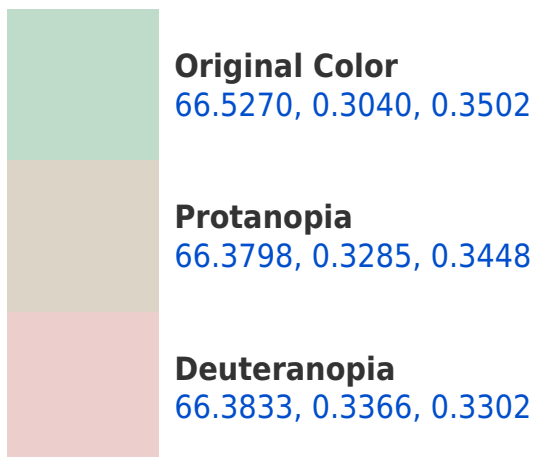


This preview shows how white text looks on a background with the Yxy color 66.5270, 0.3040, 0.3502.

# 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

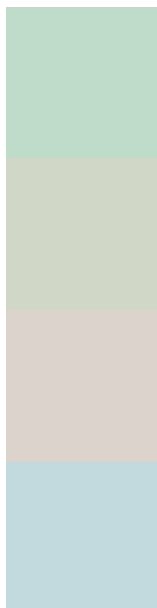




## Tritanopia

66.2198, 0.2878, 0.3086

# Trichromacy



## Original Color

66.5270, 0.3040, 0.3502

## Protanomaly

66.2797, 0.3192, 0.3474

## Deuteranomaly

66.1638, 0.3244, 0.3369

## Tritanomaly

66.3690, 0.2934, 0.3232

# Monochromacy



## Original Color

66.5270, 0.3040, 0.3502

## Achromatopsia

63.7597, 0.3127, 0.3290

## Achromatomaly

64.6013, 0.3094, 0.3371

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 66.5270, 0.3040, 0.3502 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(191, 220, 202)` looks like.

```
.text, #text, p{  
    color:rgb(191, 220, 202)  
}
```

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(191, 220, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 220, 202) }
```

## Border

The CSS property to change the border of an element to Yxy 66.5270, 0.3040, 0.3502 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(191, 220, 202) }
```

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

```
.border{ border-color:rgb(191, 220, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 220, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(191, 220, 202); -webkit-box-shadow:4px 4px 4px 4px rgb(191, 220, 202); box-shadow:4px 4px 4px 4px rgb(191, 220, 202) }
```



# Background

The CSS property to change the background color of an element to Yxy 66.5270, 0.3040, 0.3502 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 220, 202) }
```

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

```
.background{ background-color: rgb(191,  
220, 202) }
```

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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