

# Converting Colors

Yxy(64.0697, 0.3026, 0.3685)

Have a look what the booklet for  
Yxy(64.0697, 0.3026, 0.3685)  
contains.

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# Color

**Yxy(64.0473, 0.3025, 0.3685)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B0DCBC
RGB	176, 220, 188
RGB Percent	69%, 86%, 74%
CMY	0.3098, 0.1372, 0.2626
CMYK	0.20, 0.00, 0.15, 0.14
HSL	136°, 39%, 78%
HSV	136°, 20%, 86%
XYZ	52.5761, 64.0473, 57.1820
YIQ	203.1960, -15.9520, -19.2800

# Conversions

## Conversions Part 2

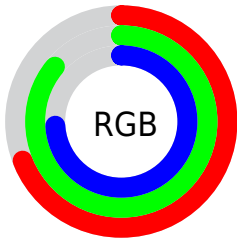
<b>Format</b>	<b>Color</b>
<b>RYB</b>	176, 211, 220
Decimal	11590844
CIELab	83.99, -20.55, 11.04
CIElCh	84, 23.326, 151.760
Yxy	64.0473, 0.3025, 0.3685
Android (android.graphics.Color)	4289780924 (0xFFB0DCBC)
YUV	203.1960, -7.4916, -23.8509
Hunter-Lab	80.0296, -22.7845, 13.6573

# Details

The Yxy color **64.0473, 0.3025, 0.3685** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **50.8186, 0.3248, 0.2925**, and the grayscale version is **59.9080, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.2075, 0.3048, 0.3400**, and **32.8705, 0.2996, 0.3789** is the 20% darker color. If you saturate the color by 10%, you get **61.0380, 0.2976, 0.3918**, and if you desaturate by 10%, it is **67.5539, 0.3076, 0.3476**.

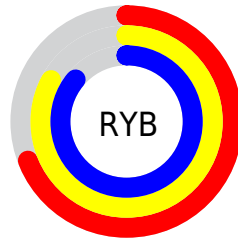
# Distribution



Red (69%)

Green (86%)

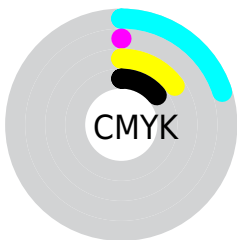
Blue (74%)



Red (69%)

Yellow (83%)

Blue (86%)

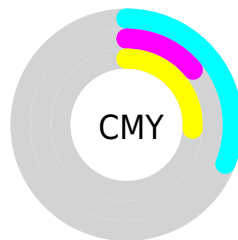


Cyan (20%)

Magenta (0%)

Yellow (15%)

Black (14%)



Cyan (31%)

Magenta (14%)


Yellow (26%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 64.0473, 0.3025, 0.3685 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 64.0473, 0.3025, 0.3685 by changing the saturation by 10% instead.




 64.0473, 0.3025,  
0.3685

 64.0473, 0.3025,  
0.3685


439.3604, 0.3076,  
0.3493

 46.6890, 0.3012,  
0.3732


 110.6791, 0.3043,  
0.3616

 32.7899, 0.2996,  
0.3790


140.7213, 0.3050,  
0.3590

 21.9655, 0.2975,  
0.3867


175.7603, 0.3056,  
0.3568

 13.8316, 0.2945,  
0.3972

216.1804, 0.3061,  
0.3549

 8.0036, 0.2901,  
0.4123

262.3661, 0.3066,  
0.3532

 4.0973, 0.2830,  
0.4358

314.7017, 0.3070,

 1.7281, 0.2699,

0.3517

0.4774

373.5717, 0.3073,  
0.3504

0.4418, 0.0000,  
1.0000

0.0000, 0.0000,  
0.0000

64.0473, 0.3025,  
0.3685

64.0473, 0.3025,  
0.3685

61.0380, 0.2976,  
0.3918

67.5539, 0.3076,  
0.3476

58.4956, 0.2932,  
0.4172

71.5708, 0.3127,  
0.3290

56.3984, 0.2896,  
0.4443

76.1205, 0.3177,  
0.3127

54.7200, 0.2870,  
0.4722

79.4748, 0.3163,  
0.2978

■ 53.4310, 0.2858,  
0.4998

■ 79.6683, 0.3143,  
0.2950

■ 52.4982, 0.2861,  
0.5258

■ 51.8822, 0.2880,  
0.5487

■ 51.5160, 0.2910,  
0.5675

# Harmonies

## Analogous

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



64.0473, 0.3319, 0.3808



64.0473, 0.3025, 0.3685



64.0473, 0.2767, 0.3440

# Triad

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



64.0473, 0.3025, 0.3685



64.0473, 0.2692, 0.2818



64.0473, 0.3675, 0.3378

# Complementary

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



64.0473, 0.3025, 0.3685



50.8186, 0.3248, 0.2925

# 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.



64.0473, 0.3491, 0.3136



64.0473, 0.3025, 0.3685



64.0473, 0.2918, 0.2822

# Square

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



64.0473, 0.3025, 0.3685



64.0473, 0.2582, 0.2936



64.0473, 0.3210, 0.2937



64.0473, 0.3703, 0.3611



# Rectangle

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



64.0473, 0.3025, 0.3685



64.0473, 0.2648, 0.3252



64.0473, 0.3210, 0.2937



64.0473, 0.3629, 0.3296

# Sweetspot

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



64.0500, 0.3025, 0.3685



96.5173, 0.3096, 0.3400



67.7716, 0.3338, 0.3801



20.5810, 0.3093, 0.3412



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

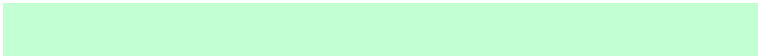


# Same Dimension

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



64.0500, 0.3025, 0.3685



87.6424, 0.3004, 0.3780



65.0580, 0.2891, 0.3413



14.6644, 0.3079, 0.3464



30.2492, 0.2903, 0.5650



1.9741, 0.2812, 0.5323



# Inverse Universe

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



50.8186, 0.3248, 0.2925



65.9436, 0.3278, 0.2846



49.8222, 0.3432, 0.3171



13.2109, 0.3179, 0.3122



10.4363, 0.4042, 0.2001

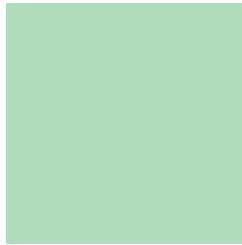


0.6903, 0.3876, 0.1909



# Previews

## White Background



This preview shows how the Yxy color 64.0473, 0.3025, 0.3685 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 64.0473, 0.3025, 0.3685 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

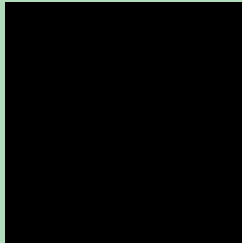
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 64.0473, 0.3025, 0.3685**

## **Background**



This preview shows how black text looks on a background with the Yxy color 64.0473, 0.3025, 0.3685.

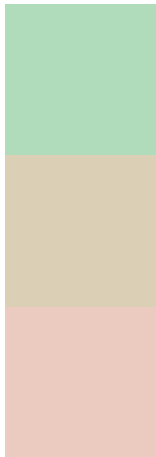


This preview shows how white text looks on a background with the Yxy color 64.0473, 0.3025, 0.3685.

# 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

64.0473, 0.3025, 0.3685

### Protanopia

63.5492, 0.3400, 0.3588

### Deuteranopia

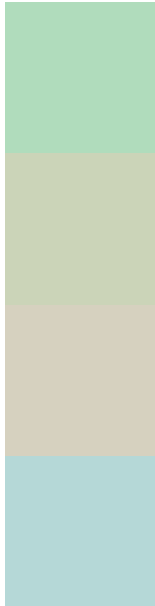
63.7090, 0.3464, 0.3401



## Tritanopia

64.0530, 0.2811, 0.3092

# Trichromacy



**Original Color**

64.0473, 0.3025, 0.3685

**Protanomaly**

63.2442, 0.3254, 0.3622

**Deuteranomaly**

63.6587, 0.3293, 0.3497

**Tritanomaly**

63.8418, 0.2889, 0.3301

# Monochromacy



**Original Color**

64.0473, 0.3025, 0.3685

**Achromatopsia**

59.7202, 0.3127, 0.3290

**Achromatomaly**

61.0156, 0.3084, 0.3422

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 64.0473, 0.3025, 0.3685 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(176, 220, 188)` looks like.

```
.text, #text, p{  
    color:rgb(176, 220, 188)  
}
```

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(176, 220, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 220, 188) }
```

## Border

The CSS property to change the border of an element to Yxy 64.0473, 0.3025, 0.3685 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(176, 220, 188) }
```

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

```
.border{ border-color:rgb(176, 220, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 220, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 220, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 220, 188);  
box-shadow:4px 4px 4px 4px rgb(176, 220,  
188) }
```



# Background

The CSS property to change the background color of an element to Yxy 64.0473, 0.3025, 0.3685 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 220, 188) }
```

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

```
.background{ background-color: rgb(176,  
220, 188) }
```

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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