

# Converting Colors

Yxy(64.4989, 0.3195, 0.3811)

Have a look what the booklet for  
Yxy(64.4989, 0.3195, 0.3811)  
contains.

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# Color

**Yxy(64.6164, 0.3196, 0.3813)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BDDBB0
RGB	189, 219, 176
RGB Percent	74%, 86%, 69%
CMY	0.2587, 0.1412, 0.3098
CMYK	0.14, 0.00, 0.20, 0.14
HSL	102°, 37%, 77%
HSV	102°, 20%, 86%
XYZ	54.1605, 64.6164, 50.6865
YIQ	205.1280, -4.0770, -19.7330

# Conversions

## Conversions Part 2

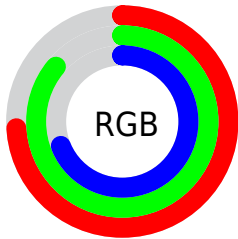
<b>Format</b>	<b>Color</b>
<b>RYB</b>	176, 219, 206
Decimal	12442544
CIELab	84.29, -17.74, 17.90
CIELCh	84, 25.204, 134.738
Yxy	64.6164, 0.3196, 0.3813
Android (android.graphics.Color)	4290632624 (0xFFBDDDB0)
YUV	205.1280, -14.3601, -14.1443
Hunter-Lab	80.3843, -20.4047, 18.8836

# Details

The Yxy color **64.6164, 0.3196, 0.3813** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **49.2759, 0.3041, 0.2788**, and the grayscale version is **61.2361, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.9390, 0.3204, 0.3516**, and **33.1319, 0.3207, 0.3959** is the 20% darker color. If you saturate the color by 10%, you get **61.9712, 0.3226, 0.4116**, and if you desaturate by 10%, it is **67.6123, 0.3162, 0.3534**.

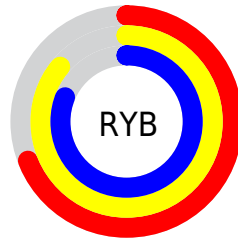
# Distribution



Red (74%)

Green (86%)

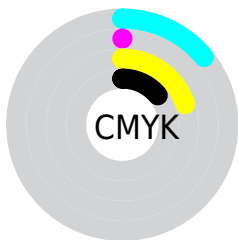
Blue (69%)



Red (69%)

Yellow (86%)

Blue (81%)

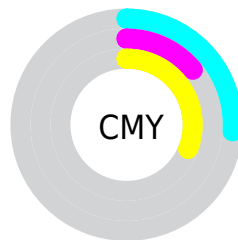


Cyan (14%)

Magenta (0%)

Yellow (20%)

Black (14%)



Cyan (26%)

Magenta (14%)

Yellow (31%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 64.6164, 0.3196, 0.3813 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 64.6164, 0.3196, 0.3813 by changing the saturation by 10% instead.



■ 64.6164, 0.3196,  
0.3813

■ 64.6164, 0.3196,  
0.3813

441.4122, 0.3167,  
0.3558

■ 47.1501, 0.3202,  
0.3874

■ 111.4982, 0.3187,  
0.3722

■ 33.1543, 0.3208,  
0.3952

141.6824, 0.3183,  
0.3687

■ 22.2447, 0.3215,  
0.4053

176.8748, 0.3180,  
0.3658

■ 14.0368, 0.3222,  
0.4191

217.4597, 0.3177,  
0.3633

■ 8.1463, 0.3227,  
0.4387

263.8215, 0.3174,  
0.3610

■ 4.1887, 0.3225,  
0.4688

316.3446, 0.3172,

■ 1.7797, 0.3266,

0.3591

375.4133, 0.3169,  
0.3574

0.5326

0.4745, 0.0363,  
0.9637

0.0000, 0.0000,  
0.0000

64.6164, 0.3196,  
0.3813

64.6164, 0.3196,  
0.3813

61.9712, 0.3226,  
0.4116

67.6123, 0.3162,  
0.3534

59.6552, 0.3251,  
0.4436

70.9627, 0.3126,  
0.3281

57.6574, 0.3265,  
0.4762

74.6822, 0.3090,  
0.3056

55.9629, 0.3268,  
0.5078

78.2161, 0.3109,  
0.2936

■ 54.5554, 0.3256,  
0.5365

■ 79.1411, 0.3144,  
0.2940

■ 53.4169, 0.3229,  
0.5604

■ 52.5270, 0.3188,  
0.5777

■ 51.8561, 0.3139,  
0.5887

■ 51.8349, 0.3137,  
0.5891

# Harmonies

## Analogous

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



64.6164, 0.3497, 0.3848



64.6164, 0.3196, 0.3813



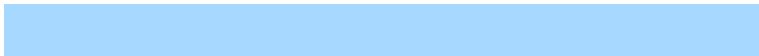
64.6164, 0.2887, 0.3614

# Triad

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



64.6164, 0.3196, 0.3813



64.6164, 0.2575, 0.2838



64.6164, 0.3623, 0.3233

# Complementary

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



64.6164, 0.3196, 0.3813



49.2759, 0.3041, 0.2788

# 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.



64.6164, 0.3354, 0.2995



64.6164, 0.3196, 0.3813



64.6164, 0.2751, 0.2770

# Square

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



64.6164, 0.3196, 0.3813



64.6164, 0.2539, 0.3033



64.6164, 0.3033, 0.2828



64.6164, 0.3753, 0.3496



# Rectangle

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



64.6164, 0.3196, 0.3813



64.6164, 0.2717, 0.3421



64.6164, 0.3033, 0.2828



64.6164, 0.3545, 0.3149

# Sweetspot

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



64.6192, 0.3196, 0.3813



97.0878, 0.3149, 0.3440



62.0374, 0.3450, 0.3629



20.7154, 0.3151, 0.3457



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

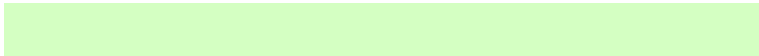


# Same Dimension

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



64.6192, 0.3196, 0.3813



89.4580, 0.3211, 0.3949



63.3456, 0.3051, 0.3726



14.7968, 0.3161, 0.3528



30.7872, 0.3147, 0.5883



2.0390, 0.3271, 0.5785



# Inverse Universe

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



49.2759, 0.3041, 0.2788



63.6214, 0.3017, 0.2665



50.8155, 0.3213, 0.2890



13.0663, 0.3090, 0.3056



7.0823, 0.2458, 0.1128



0.5031, 0.2584, 0.1197



# Previews

## White Background



This preview shows how the Yxy color 64.6164, 0.3196, 0.3813 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 64.6164, 0.3196, 0.3813 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

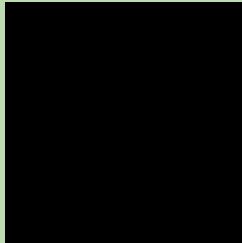
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

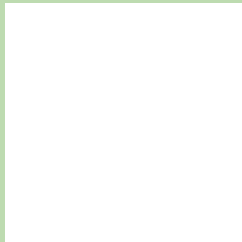
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 64.6164, 0.3196, 0.3813**

## **Background**



This preview shows how black text looks on a background with the Yxy color 64.6164, 0.3196, 0.3813.



This preview shows how white text looks on a background with the Yxy color 64.6164, 0.3196, 0.3813.

# 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

64.6164, 0.3196, 0.3813

### Protanopia

64.0708, 0.3503, 0.3724

### Deuteranopia

64.2371, 0.3606, 0.3530



## Tritanopia

64.6144, 0.2909, 0.3096

# Trichromacy



**Original Color**

64.6164, 0.3196, 0.3813

**Protanomaly**

64.3073, 0.3385, 0.3758

**Deuteranomaly**

63.8960, 0.3446, 0.3620

**Tritanomaly**

64.7234, 0.3010, 0.3348

# Monochromacy



**Original Color**

64.6164, 0.3196, 0.3813

**Achromatopsia**

61.0496, 0.3127, 0.3290

**Achromatomaly**

62.1303, 0.3156, 0.3480

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 64.6164, 0.3196, 0.3813 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(189, 219, 176)` looks like.

```
.text, #text, p{  
    color:rgb(189, 219, 176)  
}
```

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(189, 219, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 219, 176) }
```

## Border

The CSS property to change the border of an element to Yxy 64.6164, 0.3196, 0.3813 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(189, 219, 176) }
```

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

```
.border{ border-color:rgb(189, 219, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 219, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 219, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 219, 176);  
box-shadow:4px 4px 4px 4px rgb(189, 219,  
176) }
```



# Background

The CSS property to change the background color of an element to Yxy 64.6164, 0.3196, 0.3813 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 219, 176) }
```

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

```
.background{ background-color: rgb(189,  
219, 176) }
```

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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