

# Converting Colors

Yxy(63.7482, 0.3158, 0.3801)

Have a look what the booklet for  
Yxy(63.7482, 0.3158, 0.3801)  
contains.

<b>Yxy(63.5075, 0.3153, 0.3795)</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(63.5075, 0.3153, 0.3795)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B8DAB1
RGB	184, 218, 177
RGB Percent	72%, 85%, 69%
CMY	0.2787, 0.1450, 0.3059
CMYK	0.16, 0.00, 0.19, 0.15
HSL	110°, 36%, 77%
HSV	110°, 19%, 85%
XYZ	52.7639, 63.5075, 51.0738
YIQ	203.1600, -7.1030, -19.9590

# Conversions

## Conversions Part 2

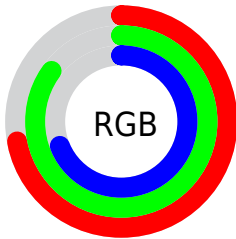
Format	Color
<b>RYB</b>	177, 218, 211
Decimal	12114609
CIELab	83.71, -18.85, 16.51
CIELCh	84, 25.059, 138.774
Yxy	63.5075, 0.3153, 0.3795
Android (android.graphics.Color)	4290304689 (0xFFB8DAB1)
YUV	203.1600, -12.8969, -16.8033
Hunter-Lab	79.6916, -21.2751, 17.7856

# Details

The Yxy color **63.5075, 0.3153, 0.3795** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **50.3703, 0.3091, 0.2817**, and the grayscale version is **59.9079, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.9285, 0.3160, 0.3509**, and **32.4749, 0.3162, 0.3935** is the 20% darker color. If you saturate the color by 10%, you get **60.6142, 0.3163, 0.4105**, and if you desaturate by 10%, it is **66.8315, 0.3140, 0.3513**.

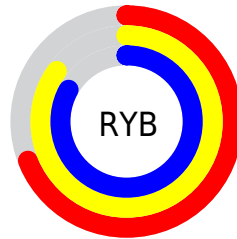
# Distribution



Red (72%)

Green (85%)

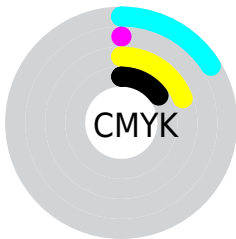
Blue (69%)



Red (69%)

Yellow (85%)

Blue (83%)

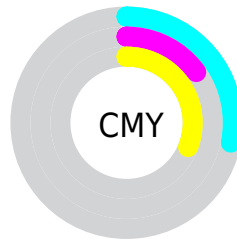


Cyan (16%)

Magenta (0%)

Yellow (19%)

Black (15%)



Cyan (28%)

Magenta (15%)


Yellow (31%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 63.5075, 0.3153, 0.3795 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 63.5075, 0.3153, 0.3795 by changing the saturation by 10% instead.





 63.5075, 0.3153,  
0.3795

 63.5075, 0.3153,  
0.3795


437.4090, 0.3145,  
0.3548

 46.2519, 0.3154,  
0.3855

 109.9014, 0.3151,  
0.3707

 32.4446, 0.3154,  
0.3931


139.8084, 0.3150,  
0.3673

 21.7013, 0.3154,  
0.4030


174.7013, 0.3149,  
0.3644

 13.6376, 0.3151,  
0.4165

214.9646, 0.3148,  
0.3620

 7.8691, 0.3143,  
0.4359

260.9827, 0.3147,  
0.3598

 4.0113, 0.3122,  
0.4661


313.1398, 0.3146,

 1.6799, 0.3126,


0.3580


0.5302

371.8204, 0.3145,  
0.3563


 0.4106, 0.0000,  
1.0000


 0.0000, 0.0000,  
0.0000


 63.5075, 0.3153,  
0.3795

 63.5075, 0.3153,  
0.3795

 60.6142, 0.3163,  
0.4105


 66.8315, 0.3140,  
0.3513


 58.1262, 0.3168,  
0.4437

 70.5946, 0.3125,  
0.3262

 56.0276, 0.3167,  
0.4780

 74.8148, 0.3110,  
0.3040

 54.2982, 0.3158,  
0.5114

 78.6326, 0.3144,  
0.2930

■ 52.9163, 0.3141,  
0.5419

■ 51.8575, 0.3115,  
0.5670

■ 51.0941, 0.3084,  
0.5849

■ 50.5901, 0.3051,  
0.5952

■ 50.5436, 0.3048,  
0.5962

# Harmonies

## Analogous

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



63.5075, 0.3460, 0.3853



63.5075, 0.3153, 0.3795



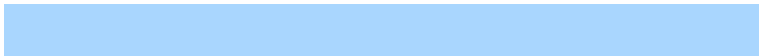
63.5075, 0.2850, 0.3577

# Triad

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



63.5075, 0.3153, 0.3795



63.5075, 0.2591, 0.2821



63.5075, 0.3650, 0.3269

# Complementary

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



63.5075, 0.3153, 0.3795



50.3703, 0.3091, 0.2817

# 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.



63.5075, 0.3396, 0.3024



63.5075, 0.3153, 0.3795



63.5075, 0.2784, 0.2770

# Square

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



63.5075, 0.3153, 0.3795



63.5075, 0.2536, 0.3001



63.5075, 0.3076, 0.2845



63.5075, 0.3757, 0.3530



# Rectangle

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



63.5075, 0.3153, 0.3795



63.5075, 0.2689, 0.3380



63.5075, 0.3076, 0.2845



63.5075, 0.3578, 0.3182

# Sweetspot

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



63.5102, 0.3153, 0.3795



96.7216, 0.3136, 0.3441



64.4232, 0.3424, 0.3675



20.6290, 0.3137, 0.3458



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

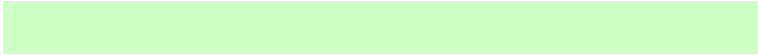


# Same Dimension

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



63.5102, 0.3153, 0.3795



88.6818, 0.3158, 0.3928



63.2177, 0.3020, 0.3636



14.7115, 0.3141, 0.3530



30.3067, 0.3054, 0.5957



1.9963, 0.3152, 0.5879



# Inverse Universe

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



50.3703, 0.3091, 0.2817



66.2851, 0.3081, 0.2703



50.7638, 0.3254, 0.2967



13.1576, 0.3111, 0.3058



8.9687, 0.2787, 0.1309

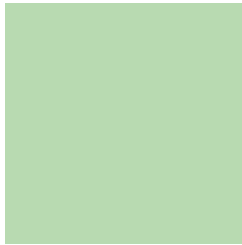


0.6112, 0.2859, 0.1349



# Previews

## White Background



This preview shows how the Yxy color 63.5075, 0.3153, 0.3795 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 63.5075, 0.3153, 0.3795 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

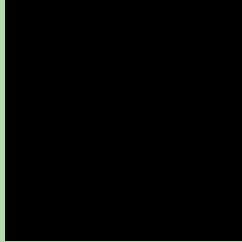
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

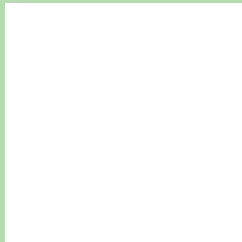
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 63.5075, 0.3153, 0.3795**

## Background



This preview shows how black text looks on a background with the Yxy color 63.5075, 0.3153, 0.3795.



This preview shows how white text looks on a background with the Yxy color 63.5075, 0.3153, 0.3795.

# 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

63.5075, 0.3153, 0.3795

### Protanopia

63.3060, 0.3482, 0.3703

### Deuteranopia

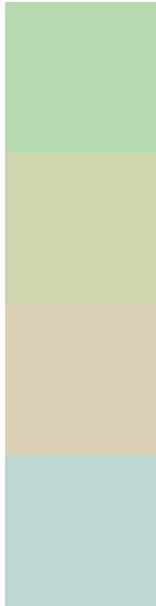
62.8219, 0.3579, 0.3499



## Tritanopia

63.3964, 0.2880, 0.3093

# Trichromacy



**Original Color**

63.5075, 0.3153, 0.3795

**Protanomaly**

63.4084, 0.3356, 0.3739

**Deuteranomaly**

62.8264, 0.3408, 0.3601

**Tritanomaly**

63.5154, 0.2981, 0.3349

# Monochromacy



**Original Color**

63.5075, 0.3153, 0.3795

**Achromatopsia**

59.7202, 0.3127, 0.3290

**Achromatomaly**

60.7426, 0.3134, 0.3458

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 63.5075, 0.3153, 0.3795 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(184, 218, 177)` looks like.

```
.text, #text, p{  
    color:rgb(184, 218, 177)  
}
```

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(184, 218, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 218, 177) }
```

## Border

The CSS property to change the border of an element to Yxy 63.5075, 0.3153, 0.3795 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(184, 218, 177) }
```

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

```
.border{ border-color:rgb(184, 218, 177) }
```

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

Here you see how a box with a 4 pixel rgb(184, 218, 177) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 218, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 218, 177);  
box-shadow:4px 4px 4px 4px rgb(184, 218,  
177) }
```



# Background

The CSS property to change the background color of an element to Yxy 63.5075, 0.3153, 0.3795 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 218, 177) }
```

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

```
.background{ background-color: rgb(184,  
218, 177) }
```

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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