

# Converting Colors

$Yxy(63.7719, 0.3072, 0.3745)$

Have a look what the booklet for  
Yxy(63.7719, 0.3072, 0.3745)  
contains.

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# Color

**Yxy(63.5469, 0.3071, 0.3736)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B2DBB7
RGB	178, 219, 183
RGB Percent	70%, 86%, 72%
CMY	0.3020, 0.1411, 0.2824
CMYK	0.19, 0.00, 0.16, 0.14
HSL	127°, 36%, 78%
HSV	127°, 19%, 86%
XYZ	52.2357, 63.5469, 54.3108
YIQ	202.6370, -12.8800, -19.8880

# Conversions

## Conversions Part 2

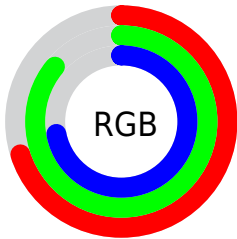
Format	Color
<a href="#">RYB</a>	<a href="#">178, 215, 219</a>
Decimal	<a href="#">11721655</a>
CIELab	<a href="#">83.73, -20.31, 13.33</a>
CIELCh	<a href="#">84, 24.298, 146.717</a>
Yxy	<a href="#">63.5469, 0.3071, 0.3736</a>
Android (android.graphics.Color)	<a href="#">4289911735</a> ( <a href="#">0xFFB2DBB7</a> )
YUV	<a href="#">202.6370, -9.6810, -21.6066</a>
Hunter-Lab	<a href="#">79.7163, -22.5379, 15.4071</a>

# Details

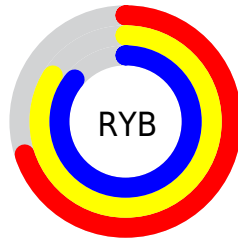
The Yxy color **63.5469, 0.3071, 0.3736** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **51.7507, 0.3189, 0.2881**, and the grayscale version is **59.5488, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.2444, 0.3089, 0.3450**, and **32.5226, 0.3055, 0.3857** is the 20% darker color. If you saturate the color by 10%, you get **60.4161, 0.3041, 0.4016**, and if you desaturate by 10%, it is **67.2060, 0.3101, 0.3485**.

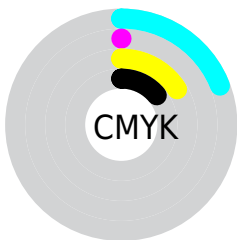
# Distribution



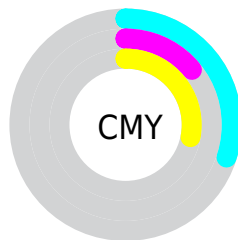
- Red (70%)
- Green (86%)
- Blue (72%)



- Red (70%)
- Yellow (84%)
- Blue (86%)



- Cyan (19%)
- Magenta (0%)
- Yellow (16%)
- Black (14%)




- Cyan (30%)
- Magenta (14%)
- Yellow (28%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 63.5469, 0.3071, 0.3736 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 63.5469, 0.3071, 0.3736 by changing the saturation by 10% instead.





 63.5469, 0.3071,  
0.3736

 63.5469, 0.3071,  
0.3736


437.5516, 0.3101,  
0.3518

 46.2838, 0.3063,  
0.3789


 109.9581, 0.3082,  
0.3658

 32.4698, 0.3053,  
0.3856


139.8751, 0.3086,  
0.3628

 21.7206, 0.3039,  
0.3944


174.7787, 0.3090,  
0.3603

 13.6518, 0.3018,  
0.4063

215.0535, 0.3093,  
0.3581

 7.8789, 0.2987,  
0.4236

261.0837, 0.3095,  
0.3563

 4.0175, 0.2932,  
0.4506

313.2539, 0.3097,

 1.6834, 0.2838,

0.3546

0.5011

371.9484, 0.3099,  
0.3531

0.4129, 0.0000,  
1.0000

0.0000, 0.0000,  
0.0000

63.5469, 0.3071,  
0.3736

63.5469, 0.3071,  
0.3736

60.4161, 0.3041,  
0.4016

67.2060, 0.3101,  
0.3485

57.7815, 0.3012,  
0.4322

71.4077, 0.3131,  
0.3264

55.6199, 0.2987,  
0.4644

76.1759, 0.3159,  
0.3071

53.9032, 0.2968,  
0.4969

79.1476, 0.3144,  
0.2940

■ 52.6001, 0.2957,  
0.5278

■ 51.6752, 0.2955,  
0.5549

■ 51.0872, 0.2962,  
0.5761

■ 50.7753, 0.2976,  
0.5904

■ 50.7457, 0.2977,  
0.5918

# Harmonies

## Analogous

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



63.5469, 0.3376, 0.3837



63.5469, 0.3071, 0.3736



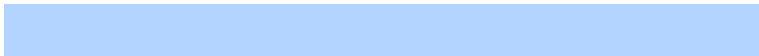
63.5469, 0.2791, 0.3495

# Triad

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



63.5469, 0.3071, 0.3736



63.5469, 0.2645, 0.2810



63.5469, 0.3678, 0.3338

# Complementary

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



63.5469, 0.3071, 0.3736



51.7507, 0.3189, 0.2881

# 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.



63.5469, 0.3463, 0.3090



63.5469, 0.3071, 0.3736



63.5469, 0.2862, 0.2793

# Square

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



63.5469, 0.3071, 0.3736



63.5469, 0.2553, 0.2953



63.5469, 0.3161, 0.2895



63.5469, 0.3736, 0.3586



# Rectangle

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



63.5469, 0.3071, 0.3736



63.5469, 0.2653, 0.3299



63.5469, 0.3161, 0.2895



63.5469, 0.3621, 0.3252

# Sweetspot

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



63.5496, 0.3071, 0.3736



96.3778, 0.3109, 0.3423



68.2110, 0.3371, 0.3760



20.5481, 0.3107, 0.3438



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

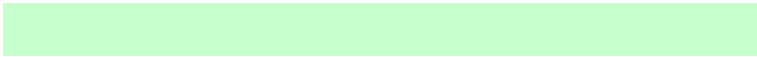


# Same Dimension

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



63.5496, 0.3071, 0.3736



88.0929, 0.3060, 0.3830



64.4560, 0.2943, 0.3480



14.6320, 0.3099, 0.3502



30.0957, 0.2973, 0.5903



1.9585, 0.2911, 0.5679



# Inverse Universe

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



51.7507, 0.3189, 0.2881



68.8470, 0.3202, 0.2804



50.7780, 0.3356, 0.3108



13.2460, 0.3156, 0.3087



11.2036, 0.3542, 0.1725

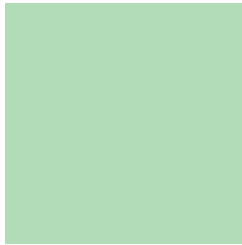


0.7337, 0.3480, 0.1691



# Previews

## White Background



This preview shows how the Yxy color 63.5469, 0.3071, 0.3736 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

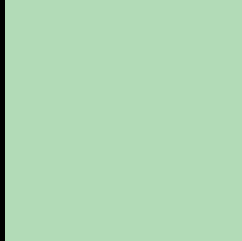
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 63.5469, 0.3071, 0.3736 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

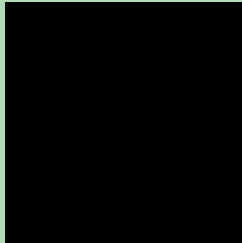
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

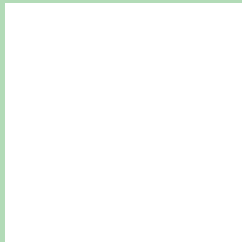
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 63.5469, 0.3071, 0.3736**

## **Background**



This preview shows how black text looks on a background with the Yxy color 63.5469, 0.3071, 0.3736.



This preview shows how white text looks on a background with the Yxy color 63.5469, 0.3071, 0.3736.

# 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**

63.5469, 0.3071, 0.3736

**Protanopia**

63.3461, 0.3437, 0.3646

**Deuteranopia**

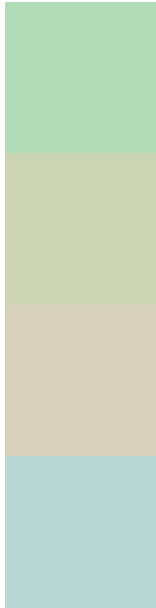
63.1940, 0.3513, 0.3445



## Tritanopia

63.6847, 0.2835, 0.3103

# Trichromacy



**Original Color**

63.5469, 0.3071, 0.3736

**Protanomaly**

63.1790, 0.3297, 0.3681

**Deuteranomaly**

63.1040, 0.3339, 0.3544

**Tritanomaly**

63.4216, 0.2921, 0.3325

# Monochromacy



**Original Color**

63.5469, 0.3071, 0.3736

**Achromatopsia**

59.7202, 0.3127, 0.3290

**Achromatomaly**

61.0558, 0.3105, 0.3446

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  63.5469, 0.3071, 0.3736 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(178, 219, 183)` looks like.

```
.text, #text, p{  
    color:rgb(178, 219, 183)  
}
```

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(178, 219, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 219, 183) }
```

## Border

The CSS property to change the border of an element to Yxy 63.5469, 0.3071, 0.3736 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(178, 219, 183) }
```

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

```
.border{ border-color:rgb(178, 219, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 219, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 219, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 219, 183);  
box-shadow:4px 4px 4px 4px rgb(178, 219,  
183) }
```



# Background

The CSS property to change the background color of an element to Yxy 63.5469, 0.3071, 0.3736 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 219, 183) }
```

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

```
.background{ background-color: rgb(178,  
219, 183) }
```

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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