

# Converting Colors

$Yxy(61.1187, 0.3077, 0.3657)$

Have a look what the booklet for  
Yxy(61.1187, 0.3077, 0.3657)  
contains.

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# Color

**Yxy(61.2571, 0.3081, 0.3663)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B4D6B8
RGB	180, 214, 184
RGB Percent	71%, 84%, 72%
CMY	0.2940, 0.1608, 0.2785
CMYK	0.16, 0.00, 0.14, 0.16
HSL	127°, 29%, 77%
HSV	127°, 16%, 84%
XYZ	51.5242, 61.2571, 54.4508
YIQ	200.4140, -10.6340, -16.5380

# Conversions

## Conversions Part 2

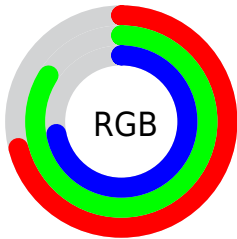
Format	Color
<a href="#">RYB</a>	<a href="#">180, 210, 214</a>
Decimal	<a href="#">11851448</a>
CIELab	<a href="#">82.52, -16.95, 11.11</a>
CIElCh	<a href="#">83, 20.268, 146.769</a>
Yxy	<a href="#">61.2571, 0.3081, 0.3663</a>
Android (android.graphics.Color)	<a href="#">4290041528 (0xFFB4D6B8)</a>
YUV	<a href="#">200.4140, -8.0921, -17.9031</a>
Hunter-Lab	<a href="#">78.2669, -19.4581, 13.5384</a>

# Details

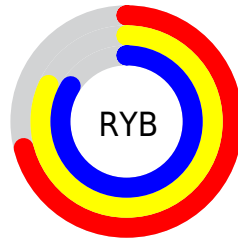
The Yxy color **61.2571, 0.3081, 0.3663** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **51.6038, 0.3177, 0.2943**, and the grayscale version is **58.0868, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.6441, 0.3095, 0.3439**, and **30.9470, 0.3067, 0.3760** is the 20% darker color. If you saturate the color by 10%, you get **58.1456, 0.3051, 0.3937**, and if you desaturate by 10%, it is **64.8763, 0.3110, 0.3419**.

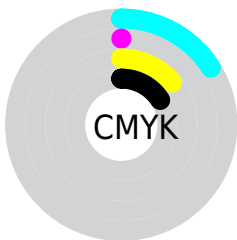
# Distribution



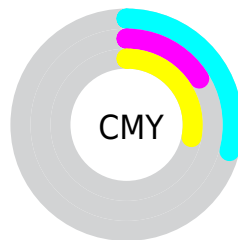
- Red (71%)
- Green (84%)
- Blue (72%)



- Red (71%)
- Yellow (82%)
- Blue (84%)



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




- Cyan (29%)
- Magenta (16%)
- Yellow (28%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 61.2571, 0.3081, 0.3663 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 61.2571, 0.3081, 0.3663 by changing the saturation by 10% instead.





 61.2571, 0.3081,  
0.3663

 61.2571, 0.3081,  
0.3663


429.2161, 0.3105,  
0.3480

 44.4327, 0.3075,  
0.3707


 106.6511, 0.3090,  
0.3598

 31.0108, 0.3066,  
0.3764


135.9895, 0.3093,  
0.3573

 20.6071, 0.3055,  
0.3838

170.2680, 0.3096,  
0.3552

 12.8371, 0.3039,  
0.3939

209.8710, 0.3099,  
0.3533

 7.3165, 0.3013,  
0.4086

255.1829, 0.3101,  
0.3518

 3.6608, 0.2970,  
0.4316

306.5881, 0.3102,

 1.4857, 0.2897,

0.3504

0.4758

364.4711, 0.3104,  
0.3491

0.2786, 0.0000,  
1.0000

0.0000, 0.0000,  
0.0000

61.2571, 0.3081,  
0.3663

61.2571, 0.3081,  
0.3663

58.1456, 0.3051,  
0.3937

64.8763, 0.3110,  
0.3419

55.5116, 0.3023,  
0.4237

69.0162, 0.3139,  
0.3205

53.3339, 0.2997,  
0.4557

73.6992, 0.3165,  
0.3019

51.5862, 0.2976,  
0.4884

76.5729, 0.3146,  
0.2891

■ 50.2399, 0.2962,  
0.5200

■ 49.2627, 0.2958,  
0.5484

■ 48.6174, 0.2962,  
0.5714

■ 48.2584, 0.2974,  
0.5875

■ 48.1630, 0.2978,  
0.5922

# Harmonies

## Analogous

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



61.2571, 0.3339, 0.3749



61.2571, 0.3081, 0.3663



61.2571, 0.2843, 0.3463

# Triad

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



61.2571, 0.3081, 0.3663



61.2571, 0.2718, 0.2883



61.2571, 0.3591, 0.3334

# Complementary

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



61.2571, 0.3081, 0.3663



51.6038, 0.3177, 0.2943

# 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.



61.2571, 0.3411, 0.3121



61.2571, 0.3081, 0.3663



61.2571, 0.2904, 0.2867

# Square

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



61.2571, 0.3081, 0.3663



61.2571, 0.2639, 0.3006



61.2571, 0.3157, 0.2954



61.2571, 0.3640, 0.3544



# Rectangle

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



61.2571, 0.3081, 0.3663



61.2571, 0.2725, 0.3299



61.2571, 0.3157, 0.2954



61.2571, 0.3544, 0.3260

# Sweetspot

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



61.2597, 0.3081, 0.3663



96.9573, 0.3113, 0.3400



65.0962, 0.3333, 0.3686



20.6648, 0.3111, 0.3417



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

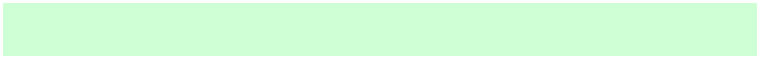


# Same Dimension

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



61.2597, 0.3081, 0.3663



89.4846, 0.3071, 0.3750



62.0152, 0.2970, 0.3449



13.9193, 0.3100, 0.3502



29.1195, 0.2974, 0.5908



1.7644, 0.2911, 0.5679



# Inverse Universe

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



51.6038, 0.3177, 0.2943



72.5289, 0.3188, 0.2869



50.8015, 0.3315, 0.3137



12.6066, 0.3155, 0.3087



10.8722, 0.3525, 0.1716

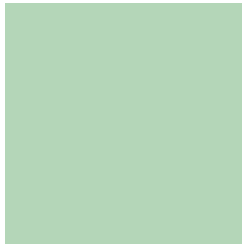


0.6630, 0.3463, 0.1682



# Previews

## White Background



This preview shows how the Yxy color 61.2571, 0.3081, 0.3663 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 61.2571, 0.3081, 0.3663 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

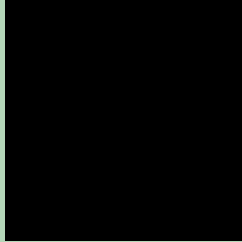
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

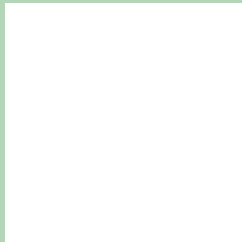
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 61.2571, 0.3081, 0.3663**

## **Background**



This preview shows how black text looks on a background with the Yxy color 61.2571, 0.3081, 0.3663.

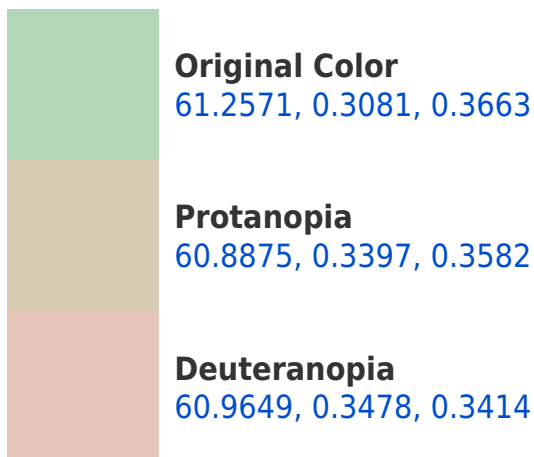


This preview shows how white text looks on a background with the Yxy color 61.2571, 0.3081, 0.3663.

# 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

61.1128, 0.2864, 0.3090

# Trichromacy



**Original Color**

61.2571, 0.3081, 0.3663

**Protanomaly**

61.0045, 0.3273, 0.3613

**Deuteranomaly**

60.7280, 0.3321, 0.3501

**Tritanomaly**

60.9367, 0.2939, 0.3289

# Monochromacy



**Original Color**

61.2571, 0.3081, 0.3663

**Achromatopsia**

57.7580, 0.3127, 0.3290

**Achromatomaly**

58.8951, 0.3113, 0.3423

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 61.2571, 0.3081, 0.3663 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(180, 214, 184)` looks like.

```
.text, #text, p{  
    color:rgb(180, 214, 184)  
}
```

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(180, 214, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 214, 184) }
```

## Border

The CSS property to change the border of an element to Yxy 61.2571, 0.3081, 0.3663 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(180, 214, 184) }
```

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

```
.border{ border-color:rgb(180, 214, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 214, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 214, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 214, 184);  
box-shadow:4px 4px 4px 4px rgb(180, 214,  
184) }
```



# Background

The CSS property to change the background color of an element to Yxy 61.2571, 0.3081, 0.3663 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 214, 184) }
```

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

```
.background{ background-color: rgb(180,  
214, 184) }
```

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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