

# Converting Colors

Yxy(64.7338, 0.3128, 0.3801)

Have a look what the booklet for  
Yxy(64.7338, 0.3128, 0.3801)  
contains.

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# Color

**Yxy(64.9127, 0.3124, 0.3806)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B6DDB3
RGB	182, 221, 179
RGB Percent	71%, 87%, 70%
CMY	0.2863, 0.1333, 0.2981
CMYK	0.18, 0.00, 0.19, 0.13
HSL	116°, 38%, 78%
HSV	116°, 19%, 87%
XYZ	53.2809, 64.9127, 52.3600
YIQ	204.5510, -9.7620, -21.3300

# Conversions

## Conversions Part 2

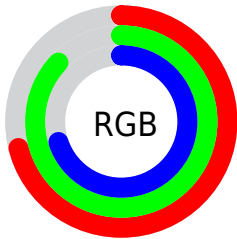
<b>Format</b>	<b>Color</b>
<b>RYB</b>	179, 221, 218
Decimal	11984307
CIELab	84.44, -20.66, 16.48
CIELCh	84, 26.424, 141.417
Yxy	64.9127, 0.3124, 0.3806
Android (android.graphics.Color)	4290174387 (0xFFB6DDB3)
YUV	204.5510, -12.5966, -19.7772
Hunter-Lab	80.5684, -22.9504, 17.8664

# Details

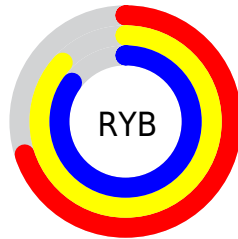
The Yxy color **64.9127, 0.3124, 0.3806** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **52.3613, 0.3124, 0.2817**, and the grayscale version is **60.8359, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.6953, 0.3136, 0.3489**, and **33.4459, 0.3123, 0.3949** is the 20% darker color. If you saturate the color by 10%, you get **61.7738, 0.3119, 0.4124**, and if you desaturate by 10%, it is **68.5666, 0.3126, 0.3520**.

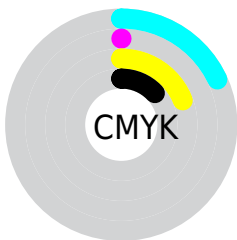
# Distribution



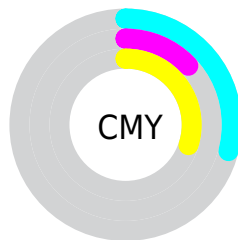
- Red (71%)
- Green (87%)
- Blue (70%)



- Red (70%)
- Yellow (87%)
- Blue (85%)



- Cyan (18%)
- Magenta (0%)
- Yellow (19%)
- Black (13%)




- Cyan (29%)
- Magenta (13%)
- Yellow (30%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 64.9127, 0.3124, 0.3806 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 64.9127, 0.3124, 0.3806 by changing the saturation by 10% instead.




 64.9127, 0.3124,  
0.3806

 64.9127, 0.3124,  
0.3806


442.4782, 0.3130,  
0.3554

 47.3903, 0.3122,  
0.3867


 111.9243, 0.3127,  
0.3716

 33.3443, 0.3118,  
0.3944


142.1824, 0.3128,  
0.3682

 22.3903, 0.3112,  
0.4045


177.4544, 0.3128,  
0.3653

 14.1440, 0.3102,  
0.4182

218.1248, 0.3129,  
0.3628

 8.2209, 0.3084,  
0.4378

264.5780, 0.3129,  
0.3606

 4.2366, 0.3048,  
0.4682

317.1983, 0.3129,

 1.8068, 0.3001,

0.3586

0.5279

376.3703, 0.3129,  
0.3569

0.4914, 0.0000,  
1.0000

0.0000, 0.0000,  
0.0000

64.9127, 0.3124,  
0.3806

64.9127, 0.3124,  
0.3806

61.7738, 0.3119,  
0.4124

68.5666, 0.3126,  
0.3520

59.1189, 0.3111,  
0.4465

72.7484, 0.3127,  
0.3267

56.9263, 0.3100,  
0.4819

77.4810, 0.3126,  
0.3046

55.1697, 0.3086,  
0.5163

80.1977, 0.3143,  
0.2960

■ 53.8197, 0.3068,  
0.5473

■ 52.8436, 0.3049,  
0.5723

■ 52.2034, 0.3030,  
0.5893

■ 51.8494, 0.3014,  
0.5983

■ 51.8261, 0.3013,  
0.5990

# Harmonies

## Analogous

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



64.9127, 0.3449, 0.3882



64.9127, 0.3124, 0.3806



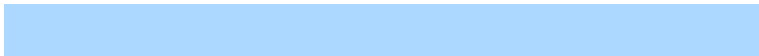
64.9127, 0.2812, 0.3565

# Triad

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



64.9127, 0.3124, 0.3806



64.9127, 0.2580, 0.2790



64.9127, 0.3692, 0.3291

# Complementary

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



64.9127, 0.3124, 0.3806



52.3613, 0.3124, 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.



64.9127, 0.3436, 0.3032



64.9127, 0.3124, 0.3806



64.9127, 0.2792, 0.2749

# Square

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



64.9127, 0.3124, 0.3806



64.9127, 0.2508, 0.2965



64.9127, 0.3103, 0.2838



64.9127, 0.3788, 0.3562



# Rectangle

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



64.9127, 0.3124, 0.3806



64.9127, 0.2650, 0.3355



64.9127, 0.3103, 0.2838



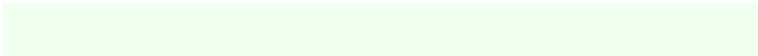
64.9127, 0.3621, 0.3200

# Sweetspot

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



64.9155, 0.3124, 0.3806



96.4579, 0.3127, 0.3441



68.5152, 0.3419, 0.3724



20.5670, 0.3127, 0.3458



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

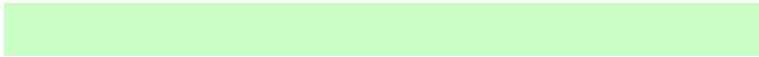


# Same Dimension

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



64.9155, 0.3124, 0.3806



87.8756, 0.3122, 0.3935



65.3077, 0.2992, 0.3588



14.6504, 0.3126, 0.3531



30.1218, 0.3017, 0.5987



1.9674, 0.3066, 0.5948



# Inverse Universe

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



52.3613, 0.3124, 0.2817



67.3315, 0.3123, 0.2710



51.9433, 0.3290, 0.3010



13.2250, 0.3127, 0.3059



10.6104, 0.3031, 0.1444

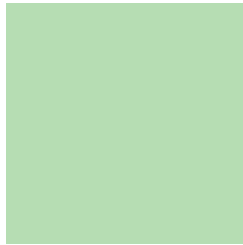


0.7019, 0.3062, 0.1460



# Previews

## White Background



This preview shows how the Yxy color 64.9127, 0.3124, 0.3806 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 64.9127, 0.3124, 0.3806 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

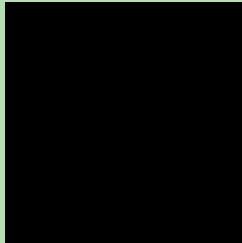
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 64.9127, 0.3124, 0.3806**

## **Background**



This preview shows how black text looks on a background with the Yxy color 64.9127, 0.3124, 0.3806.

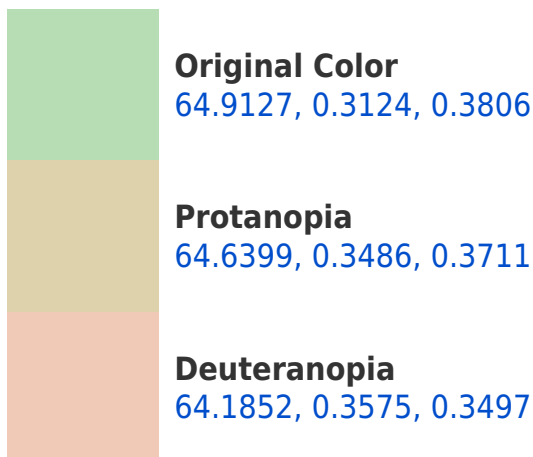


This preview shows how white text looks on a background with the Yxy color 64.9127, 0.3124, 0.3806.

# 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

64.9390, 0.2857, 0.3094

# Trichromacy



**Original Color**

64.9127, 0.3124, 0.3806

**Protanomaly**

64.4537, 0.3345, 0.3749

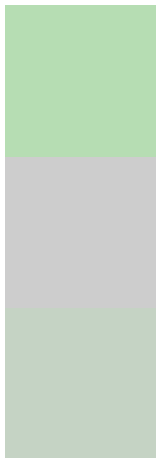
**Deuteranomaly**

64.0384, 0.3398, 0.3599

**Tritanomaly**

65.0705, 0.2956, 0.3349

# Monochromacy



**Original Color**

64.9127, 0.3124, 0.3806

**Achromatopsia**

61.0496, 0.3127, 0.3290

**Achromatomaly**

62.4444, 0.3126, 0.3468

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 64.9127, 0.3124, 0.3806 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(182, 221, 179)` looks like.

```
.text, #text, p{  
    color:rgb(182, 221, 179)  
}
```

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(182, 221, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 221, 179) }
```

## Border

The CSS property to change the border of an element to Yxy 64.9127, 0.3124, 0.3806 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(182, 221, 179) }
```

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

```
.border{ border-color:rgb(182, 221, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(182, 221, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 221, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 221, 179);  
box-shadow:4px 4px 4px 4px rgb(182, 221,  
179) }
```



# Background

The CSS property to change the background color of an element to Yxy 64.9127, 0.3124, 0.3806 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 221, 179) }
```

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

```
.background{ background-color: rgb(182,  
221, 179) }
```

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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