

# Converting Colors

Yxy(64.9915, 0.3188, 0.4031)

Have a look what the booklet for  
Yxy(64.9915, 0.3188, 0.4031)  
contains.

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# Color

**Yxy(64.9207, 0.3189, 0.4025)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B2DFA4
RGB	178, 223, 164
RGB Percent	70%, 87%, 64%
CMY	0.3022, 0.1254, 0.3569
CMYK	0.20, 0.00, 0.26, 0.13
HSL	106°, 48%, 76%
HSV	106°, 26%, 87%
XYZ	51.4365, 64.9207, 44.9364
YIQ	202.8190, -7.8810, -27.8890

# Conversions

## Conversions Part 2

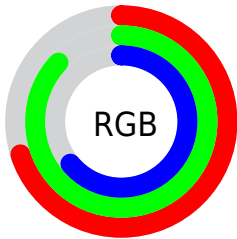
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">164, 223, 209</a>
Decimal	<a href="#">11722660</a>
CIELab	<a href="#">84.44, -25.49, 24.27</a>
CIELCh	<a href="#">84, 35.196, 136.398</a>
Yxy	<a href="#">64.9207, 0.3189, 0.4025</a>
Android (android.graphics.Color)	<a href="#">4289912740 (0xFFB2DFA4)</a>
YUV	<a href="#">202.8190, -19.1378, -21.7663</a>
Hunter-Lab	<a href="#">80.5734, -27.0523, 23.3349</a>

# Details

The Yxy color **64.9207, 0.3189, 0.4025** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **45.4427, 0.3038, 0.2609**, and the grayscale version is **59.7211, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.1269, 0.3204, 0.3656**, and **33.4602, 0.3189, 0.4227** is the 20% darker color. If you saturate the color by 10%, you get **62.2967, 0.3205, 0.4347**, and if you desaturate by 10%, it is **67.9418, 0.3168, 0.3725**.

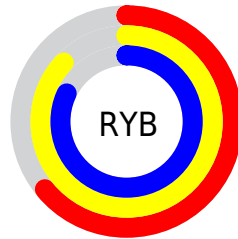
# Distribution



Red (70%)

Green (87%)

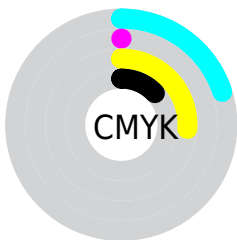
Blue (64%)



Red (64%)

Yellow (87%)

Blue (82%)

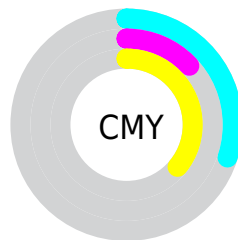


Cyan (20%)

Magenta (0%)

Yellow (26%)

Black (13%)



Cyan (30%)

Magenta (13%)


Yellow (36%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 64.9207, 0.3189, 0.4025 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 64.9207, 0.3189, 0.4025 by changing the saturation by 10% instead.




 64.9207, 0.3189,  
0.4025


 64.9207, 0.3189,  
0.4025


442.5069, 0.3168,  
0.3664

 47.3968, 0.3191,  
0.4113

 111.9358, 0.3183,  
0.3895

 33.3494, 0.3193,  
0.4224


 142.1959, 0.3181,  
0.3846

 22.3943, 0.3193,  
0.4370


177.4700, 0.3178,  
0.3804

 14.1469, 0.3188,  
0.4567

218.1427, 0.3176,  
0.3768

 8.2229, 0.3171,  
0.4850

264.5984, 0.3174,  
0.3737

 4.2379, 0.3125,  
0.5282

317.2214, 0.3172,

 1.8075, 0.3268,

0.3710

0.6572

376.3961, 0.3170,  
0.3685

■ 0.4919, 0.0000,  
1.0000

■ 0.0000, 0.0000,  
0.0000

■ 64.9207, 0.3189,  
0.4025

■ 64.9207, 0.3189,  
0.4025

■ 62.2967, 0.3205,  
0.4347

■ 67.9418, 0.3168,  
0.3725

■ 60.0448, 0.3214,  
0.4681

■ 71.3670, 0.3144,  
0.3451

■ 58.1501, 0.3213,  
0.5012

■ 75.2138, 0.3118,  
0.3207

■ 56.5934, 0.3201,  
0.5319

■ 79.4962, 0.3092,  
0.2991

■ 55.3535, 0.3177,  
0.5580

■ 81.2662, 0.3142,  
0.2980

■ 54.4064, 0.3142,  
0.5777

■ 53.7241, 0.3099,  
0.5900

■ 53.5346, 0.3085,  
0.5932

# Harmonies

## Analogous

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



64.9207, 0.3612, 0.4074



64.9207, 0.3189, 0.4025



64.9207, 0.2768, 0.3728

# Triad

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



64.9207, 0.3189, 0.4025



64.9207, 0.2381, 0.2655



64.9207, 0.3838, 0.3223

# Complementary

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



64.9207, 0.3189, 0.4025



45.4427, 0.3038, 0.2609

# 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.



64.9207, 0.3464, 0.2901



64.9207, 0.3189, 0.4025



64.9207, 0.2625, 0.2580

# Square

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



64.9207, 0.3189, 0.4025



64.9207, 0.2322, 0.2904



64.9207, 0.3015, 0.2672



64.9207, 0.4005, 0.3578



# Rectangle

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



64.9207, 0.3189, 0.4025



64.9207, 0.2543, 0.3445



64.9207, 0.3015, 0.2672



64.9207, 0.3731, 0.3109

# Sweetspot

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



64.9235, 0.3189, 0.4025



95.9188, 0.3148, 0.3493



63.6112, 0.3565, 0.3795



20.3752, 0.3151, 0.3533



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

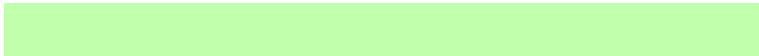


# Same Dimension

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



64.9235, 0.3189, 0.4025



85.8476, 0.3199, 0.4209



63.9222, 0.3001, 0.3852



15.4927, 0.3151, 0.3530



31.5142, 0.3094, 0.5926



2.2251, 0.3201, 0.5841



# Inverse Universe

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



45.4427, 0.3038, 0.2609



55.0464, 0.3013, 0.2454



46.8057, 0.3283, 0.2788



13.7640, 0.3100, 0.3056



8.2327, 0.2620, 0.1217

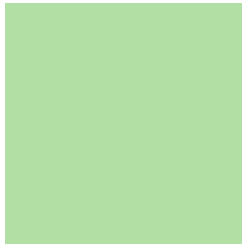


0.6105, 0.2715, 0.1269



# Previews

## White Background



This preview shows how the Yxy color 64.9207, 0.3189, 0.4025 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 64.9207, 0.3189, 0.4025 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

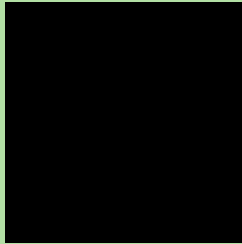
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

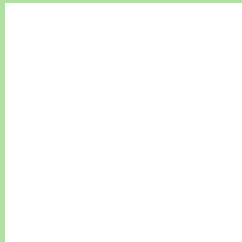
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 64.9207, 0.3189, 0.4025**

## **Background**



This preview shows how black text looks on a background with the Yxy color 64.9207, 0.3189, 0.4025.

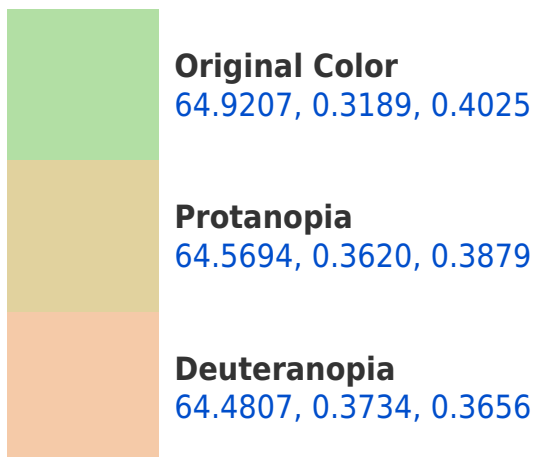


This preview shows how white text looks on a background with the Yxy color 64.9207, 0.3189, 0.4025.

# 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

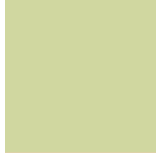
64.6815, 0.2844, 0.3093

# Trichromacy



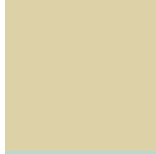
## Original Color

64.9207, 0.3189, 0.4025



## Protanomaly

64.5488, 0.3456, 0.3937



## Deuteranomaly

64.2554, 0.3522, 0.3782



## Tritanomaly

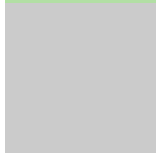
64.4450, 0.2967, 0.3409

# Monochromacy



## Original Color

64.9207, 0.3189, 0.4025



## Achromatopsia

59.7202, 0.3127, 0.3290



## Achromatomaly

61.2366, 0.3153, 0.3544

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 64.9207, 0.3189, 0.4025 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, 223, 164)` looks like.

```
.text, #text, p{  
    color:rgb(178, 223, 164)  
}
```

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, 223, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 223, 164) }
```

## Border

The CSS property to change the border of an element to Yxy 64.9207, 0.3189, 0.4025 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, 223, 164) }
```

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

```
.border{ border-color:rgb(178, 223, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 223, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(178, 223, 164); -webkit-box-shadow:4px 4px 4px 4px rgb(178, 223, 164); box-shadow:4px 4px 4px 4px rgb(178, 223, 164) }
```



# Background

The CSS property to change the background color of an element to Yxy 64.9207, 0.3189, 0.4025 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 223, 164) }
```

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

```
.background{ background-color: rgb(178,  
223, 164) }
```

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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