

# Converting Colors

$Y_{xy}(65.8000, 0.3275, 0.4059)$

Have a look what the booklet for  
Yxy(65.8000, 0.3275, 0.4059)  
contains.

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# Color

**Yxy(65.7525, 0.3273, 0.4062)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BADFA0
RGB	186, 223, 160
RGB Percent	73%, 87%, 63%
CMY	0.2706, 0.1255, 0.3727
CMYK	0.17, 0.00, 0.28, 0.13
HSL	95°, 50%, 75%
HSV	95°, 28%, 87%
XYZ	52.9808, 65.7525, 43.1389
YIQ	204.7550, -1.8290, -27.4370

# Conversions

## Conversions Part 2

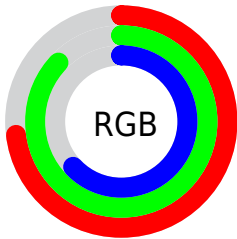
Format	Color
<a href="#">RYB</a>	<a href="#">160, 223, 197</a>
Decimal	<a href="#">12246944</a>
CIELab	<a href="#">84.87, -23.29, 27.02</a>
CIELCh	<a href="#">85, 35.674, 130.759</a>
Yxy	<a href="#">65.7525, 0.3273, 0.4062</a>
Android (android.graphics.Color)	<a href="#">4290437024 (0xFFBADFA0)</a>
YUV	<a href="#">204.7550, -22.0642, -16.4481</a>
Hunter-Lab	<a href="#">81.0879, -25.2765, 25.2191</a>

# Details

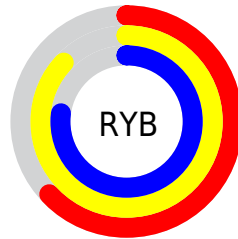
The Yxy color **65.7525, 0.3273, 0.4062** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **42.3222, 0.2935, 0.2540**, and the grayscale version is **61.0305, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.4810, 0.3285, 0.3691**, and **33.9935, 0.3295, 0.4271** is the 20% darker color. If you saturate the color by 10%, you get **63.4788, 0.3316, 0.4369**, and if you desaturate by 10%, it is **68.3221, 0.3224, 0.3769**.

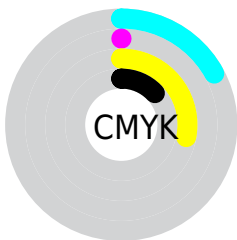
# Distribution



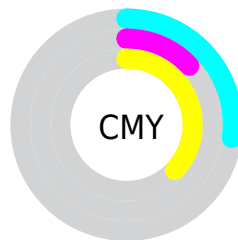
- Red (73%)
- Green (87%)
- Blue (63%)



- Red (63%)
- Yellow (87%)
- Blue (77%)



- Cyan (17%)
- Magenta (0%)
- Yellow (28%)
- Black (13%)




- Cyan (27%)
- Magenta (13%)
- Yellow (37%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 65.7525, 0.3273, 0.4062 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 65.7525, 0.3273, 0.4062 by changing the saturation by 10% instead.





 65.7525, 0.3273,  
0.4062

 65.7525, 0.3273,  
0.4062


445.4912, 0.3213,  
0.3685

 48.0715, 0.3284,  
0.4153


 113.1310, 0.3254,  
0.3927

 33.8835, 0.3297,  
0.4268


 143.5974, 0.3246,  
0.3876

 22.8041, 0.3310,  
0.4418


179.0943, 0.3239,  
0.3832

 14.4489, 0.3322,  
0.4619

220.0061, 0.3233,  
0.3794

 8.4336, 0.3328,  
0.4904

266.7174, 0.3227,  
0.3762

 4.3736, 0.3310,  
0.5330

319.6124, 0.3222,

 1.8847, 0.3480,

0.3733

0.6520

379.0755, 0.3217,  
0.3707

0.5391, 0.0000,  
1.0000

0.0000, 0.0000,  
0.0000

65.7525, 0.3273,  
0.4062

65.7525, 0.3273,  
0.4062

63.4788, 0.3316,  
0.4369

68.3221, 0.3224,  
0.3769

61.4809, 0.3348,  
0.4681

71.1897, 0.3171,  
0.3497

59.7493, 0.3366,  
0.4984

74.3684, 0.3118,  
0.3249

58.2704, 0.3367,  
0.5261

77.8680, 0.3065,  
0.3025

■ 57.0295, 0.3348,  
0.5494

■ 80.5912, 0.3117,  
0.2977

■ 56.0094, 0.3310,  
0.5670

■ 81.2587, 0.3142,  
0.2980

■ 55.1874, 0.3257,  
0.5786

■ 55.0604, 0.3248,  
0.5803

# Harmonies

## Analogous

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



65.7525, 0.3686, 0.4062



65.7525, 0.3273, 0.4062



65.7525, 0.2839, 0.3804

# Triad

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



65.7525, 0.3273, 0.4062



65.7525, 0.2349, 0.2683



65.7525, 0.3786, 0.3157

# Complementary

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



65.7525, 0.3273, 0.4062



42.3222, 0.2935, 0.2540

# 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.



65.7525, 0.3384, 0.2846



65.7525, 0.3273, 0.4062



65.7525, 0.2562, 0.2575

# Square

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



65.7525, 0.3273, 0.4062



65.7525, 0.2325, 0.2966



65.7525, 0.2932, 0.2638



65.7525, 0.4001, 0.3513



# Rectangle

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



65.7525, 0.3273, 0.4062



65.7525, 0.2595, 0.3530



65.7525, 0.2932, 0.2638



65.7525, 0.3667, 0.3045

# Sweetspot

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



65.7554, 0.3273, 0.4062



96.5546, 0.3170, 0.3492



58.0395, 0.3629, 0.3716



20.5346, 0.3178, 0.3531



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

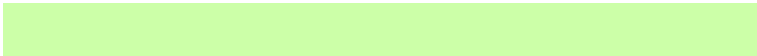


# Same Dimension

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



65.7554, 0.3273, 0.4062



87.2121, 0.3299, 0.4245



62.9730, 0.3057, 0.4037



15.6124, 0.3178, 0.3528



32.4352, 0.3259, 0.5795



2.2998, 0.3380, 0.5698



# Inverse Universe

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



42.3222, 0.2935, 0.2540



50.4249, 0.2883, 0.2368



45.8668, 0.3205, 0.2643



13.6387, 0.3072, 0.3054



6.0319, 0.2206, 0.0989



0.4702, 0.2357, 0.1072



# Previews

## White Background



This preview shows how the Yxy color 65.7525, 0.3273, 0.4062 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 65.7525, 0.3273, 0.4062 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

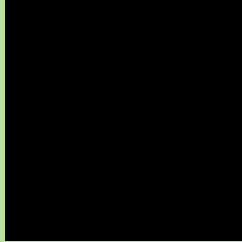
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 65.7525, 0.3273, 0.4062**

## **Background**



This preview shows how black text looks on a background with the Yxy color 65.7525, 0.3273, 0.4062.

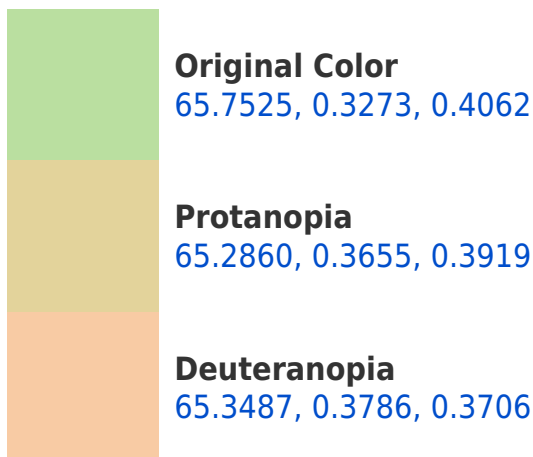


This preview shows how white text looks on a background with the Yxy color 65.7525, 0.3273, 0.4062.

# 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

65.7330, 0.2897, 0.3097

# Trichromacy



**Original Color**

65.7525, 0.3273, 0.4062

**Protanomaly**

65.0322, 0.3509, 0.3966

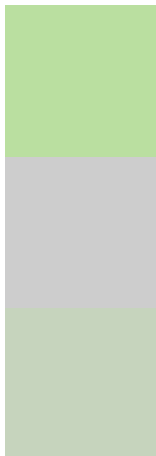
**Deuteranomaly**

64.7451, 0.3584, 0.3822

**Tritanomaly**

65.3709, 0.3035, 0.3431

# Monochromacy



**Original Color**

65.7525, 0.3273, 0.4062

**Achromatopsia**

61.0496, 0.3127, 0.3290

**Achromatomaly**

62.7669, 0.3181, 0.3564

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 65.7525, 0.3273, 0.4062 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(186, 223, 160)` looks like.

```
.text, #text, p{  
    color:rgb(186, 223, 160)  
}
```

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(186, 223, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 223, 160) }
```

## Border

The CSS property to change the border of an element to Yxy 65.7525, 0.3273, 0.4062 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(186, 223, 160) }
```

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

```
.border{ border-color:rgb(186, 223, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 223, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(186, 223, 160); -webkit-box-shadow:4px 4px 4px 4px rgb(186, 223, 160); box-shadow:4px 4px 4px 4px rgb(186, 223, 160) }
```



# Background

The CSS property to change the background color of an element to Yxy 65.7525, 0.3273, 0.4062 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 223, 160) }
```

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

```
.background{ background-color: rgb(186,  
223, 160) }
```

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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