

# Converting Colors

Yxy(63.5894, 0.3413, 0.4336)

Have a look what the booklet for  
Yxy(63.5894, 0.3413, 0.4336)  
contains.

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# **Color**

**Yxy(63.6808, 0.3413, 0.4341)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B8DD88
RGB	184, 221, 136
RGB Percent	72%, 87%, 53%
CMY	0.2784, 0.1333, 0.4666
CMYK	0.17, 0.00, 0.38, 0.13
HSL	86°, 56%, 70%
HSV	86°, 38%, 87%
XYZ	50.0674, 63.6808, 32.9480
YIQ	200.2470, 5.2330, -34.2790

# Conversions

## Conversions Part 2

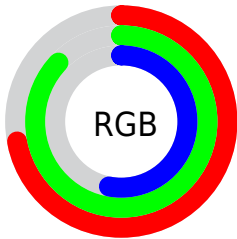
<b>Format</b>	<b>Color</b>
<b>RYB</b>	136, 221, 173
Decimal	12115336
CIELab	83.80, -26.36, 37.80
CIELCh	84, 46.080, 124.894
Yxy	63.6808, 0.3413, 0.4341
Android (android.graphics.Color)	4290305416 (0xFFB8DD88)
YUV	200.2470, -31.6738, -14.2486
Hunter-Lab	79.8003, -27.6579, 31.3805

# Details

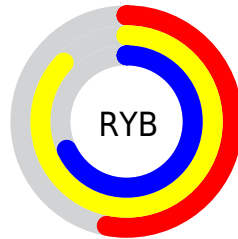
The Yxy color **63.6808, 0.3413, 0.4341** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **31.7180, 0.2728, 0.2214**, and the grayscale version is **58.1171, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.9385, 0.3420, 0.3950**, and **32.6741, 0.3460, 0.4617** is the 20% darker color. If you saturate the color by 10%, you get **61.9703, 0.3470, 0.4631**, and if you desaturate by 10%, it is **65.6073, 0.3345, 0.4050**.

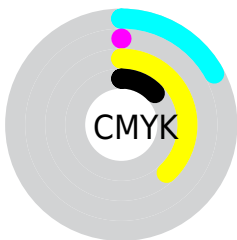
# Distribution



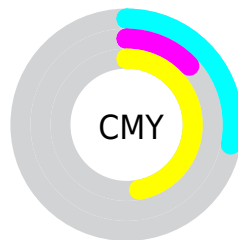
- Red (72%)
- Green (87%)
- Blue (53%)



- Red (53%)
- Yellow (87%)
- Blue (68%)



- Cyan (17%)
- Magenta (0%)
- Yellow (38%)
- Black (13%)




- Cyan (28%)
- Magenta (13%)
- Yellow (47%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 63.6808, 0.3413, 0.4341 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 63.6808, 0.3413, 0.4341 by changing the saturation by 10% instead.





 63.6808, 0.3413,  
0.4341


 63.6808, 0.3413,  
0.4341


438.0360, 0.3295,  
0.3824


 46.3922, 0.3435,  
0.4465


 110.1511, 0.3376,  
0.4156

 32.5554, 0.3458,  
0.4622


 140.1016, 0.3360,  
0.4086

 21.7861, 0.3482,  
0.4823


 175.0415, 0.3346,  
0.4026

 13.6998, 0.3501,  
0.5091

215.3552, 0.3334,  
0.3974

 7.9122, 0.3501,  
0.5457

261.4271, 0.3322,  
0.3929

 4.0388, 0.3530,  
0.6127

313.6416, 0.3312,

 1.6953, 0.3229,

0.3890

0.6771

372.3831, 0.3303,  
0.3855

0.4206, 0.0000,  
1.0000

0.0000, 0.0000,  
0.0000

63.6808, 0.3413,  
0.4341

63.6808, 0.3413,  
0.4341

61.9703, 0.3470,  
0.4631

65.6073, 0.3345,  
0.4050

60.4578, 0.3511,  
0.4908


67.7503, 0.3270,  
0.3767


59.1356, 0.3532,  
0.5158


70.1208, 0.3193,  
0.3501


57.9917, 0.3530,  
0.5366


72.7268, 0.3115,  
0.3253


 57.0126, 0.3504,  
0.5523


 75.5755, 0.3040,  
0.3027

 56.1787, 0.3458,  
0.5628

 77.7660, 0.3052,  
0.2950

 56.0590, 0.3451,  
0.5642

 79.5113, 0.3118,  
0.2957

 80.1957, 0.3143,  
0.2960

# Harmonies

## Analogous

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



63.6808, 0.3928, 0.4249



63.6808, 0.3413, 0.4341



63.6808, 0.2847, 0.4068

# Triad

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



63.6808, 0.3413, 0.4341



63.6808, 0.2111, 0.2554



63.6808, 0.3899, 0.3026

# Complementary

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



63.6808, 0.3413, 0.4341



31.7180, 0.2728, 0.2214

# Split Complementary

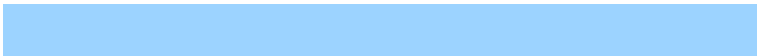
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



63.6808, 0.3338, 0.2661



63.6808, 0.3413, 0.4341



63.6808, 0.2331, 0.2386

# Square

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



63.6808, 0.3413, 0.4341



63.6808, 0.2127, 0.2949



63.6808, 0.2763, 0.2432



63.6808, 0.4242, 0.3466



# Rectangle

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



63.6808, 0.3413, 0.4341



63.6808, 0.2518, 0.3717



63.6808, 0.2763, 0.2432



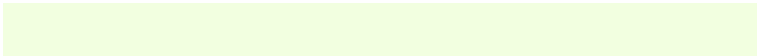
63.6808, 0.3727, 0.2893

# Sweetspot

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



63.6836, 0.3413, 0.4341



95.7436, 0.3221, 0.3596



46.9770, 0.3905, 0.3731



20.4000, 0.3231, 0.3631



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

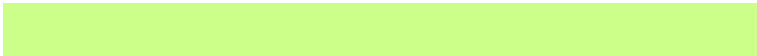


# Same Dimension

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



63.6836, 0.3413, 0.4341



86.1733, 0.3459, 0.4571



59.2157, 0.3109, 0.4447



14.9671, 0.3200, 0.3526



32.6319, 0.3461, 0.5634



2.1647, 0.3577, 0.5542



# Inverse Universe

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



31.7180, 0.2728, 0.2214



36.1009, 0.2622, 0.1971



37.3302, 0.3118, 0.2329



12.8931, 0.3049, 0.3053



4.5487, 0.1909, 0.0825



0.3450, 0.2093, 0.0926



# Previews

## White Background



This preview shows how the Yxy color 63.6808, 0.3413, 0.4341 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 63.6808, 0.3413, 0.4341 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 63.6808, 0.3413, 0.4341**

## **Background**



This preview shows how black text looks on a background with the Yxy color 63.6808, 0.3413, 0.4341.

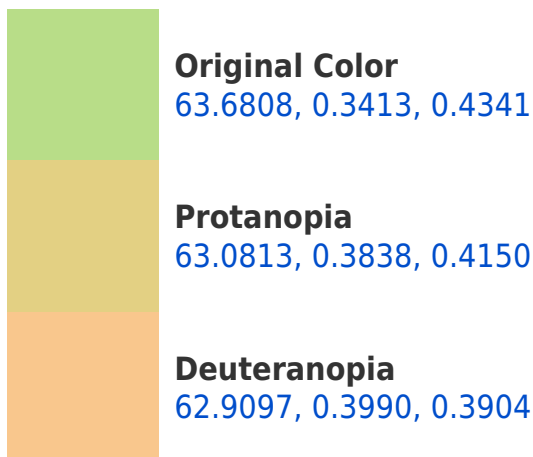


This preview shows how white text looks on a background with the Yxy color 63.6808, 0.3413, 0.4341.

# 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

63.5096, 0.2921, 0.3095

# Trichromacy



## Original Color

63.6808, 0.3413, 0.4341



## Protanomaly

63.1308, 0.3672, 0.4223



## Deuteranomaly

62.4973, 0.3769, 0.4060



## Tritanomaly

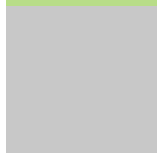
63.1946, 0.3101, 0.3530

# Monochromacy



## Original Color

63.6808, 0.3413, 0.4341



## Achromatopsia

57.7580, 0.3127, 0.3290



## Achromatomaly

59.7554, 0.3239, 0.3669

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 63.6808, 0.3413, 0.4341 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(184, 221, 136)` looks like.

```
.text, #text, p{  
    color:rgb(184, 221, 136)  
}
```

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(184, 221, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 221, 136) }
```

## Border

The CSS property to change the border of an element to Yxy 63.6808, 0.3413, 0.4341 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(184, 221, 136) }
```

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

```
.border{ border-color:rgb(184, 221, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 221, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 221, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 221, 136);  
box-shadow:4px 4px 4px 4px rgb(184, 221,  
136) }
```



# Background

The CSS property to change the background color of an element to Yxy 63.6808, 0.3413, 0.4341 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 221, 136) }
```

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

```
.background{ background-color: rgb(184,  
221, 136) }
```

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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