

# Converting Colors

$Yxy(57.3345, 0.3451, 0.4346)$

Have a look what the booklet for  
Yxy(57.3345, 0.3451, 0.4346)  
contains.

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# Color

**Yxy(57.2354, 0.3454, 0.4341)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B3D280
RGB	179, 210, 128
RGB Percent	70%, 82%, 50%
CMY	0.2979, 0.1765, 0.4980
CMYK	0.15, 0.00, 0.39, 0.18
HSL	83°, 48%, 66%
HSV	83°, 39%, 82%
XYZ	45.5404, 57.2354, 29.0726
YIQ	191.3830, 7.8460, -32.0740

# Conversions

## Conversions Part 2

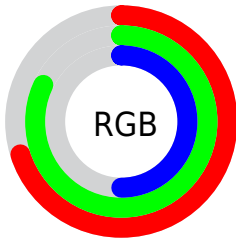
<b>Format</b>	<b>Color</b>
<b>RYB</b>	128, 210, 159
Decimal	11784832
CIELab	80.31, -23.89, 37.27
CIELCh	80, 44.265, 122.656
Yxy	57.2354, 0.3454, 0.4341
Android (android.graphics.Color)	4289974912 (0xFFB3D280)
YUV	191.3830, -31.2478, -10.8599
Hunter-Lab	75.6541, -24.9455, 30.1737

# Details

The Yxy color **57.2354, 0.3454, 0.4341** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **27.4619, 0.2679, 0.2186**, and the grayscale version is **52.5214, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.7303, 0.3433, 0.4040**, and **28.3385, 0.3515, 0.4629** is the 20% darker color. If you saturate the color by 10%, you get **55.8228, 0.3520, 0.4622**, and if you desaturate by 10%, it is **58.8218, 0.3377, 0.4057**.

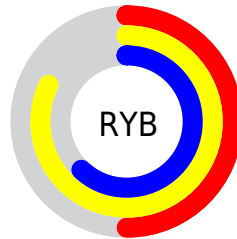
# Distribution



Red (70%)

Green (82%)

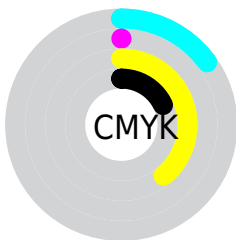
Blue (50%)



Red (50%)

Yellow (82%)

Blue (62%)

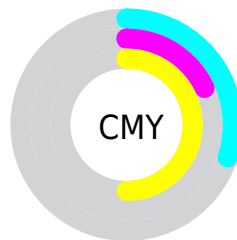


Cyan (15%)

Magenta (0%)

Yellow (39%)

Black (18%)



Cyan (30%)

Magenta (18%)


Yellow (50%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 57.2354, 0.3454, 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 57.2354, 0.3454, 0.4341 by changing the saturation by 10% instead.





 57.2354, 0.3454,  
0.4341


 57.2354, 0.3454,  
0.4341


414.3308, 0.3313,  
0.3816


 41.1943, 0.3481,  
0.4469


 100.8086, 0.3409,  
0.4152

 28.4709, 0.3511,  
0.4632


 129.1094, 0.3390,  
0.4080

 18.6809, 0.3543,  
0.4843


 162.2656, 0.3373,  
0.4020

 11.4400, 0.3570,  
0.5125

200.6616, 0.3358,  
0.3967

 6.3636, 0.3576,  
0.5514

244.6817, 0.3345,  
0.3922

 3.0674, 0.3664,  
0.6336

294.7103, 0.3333,

 1.1670, 0.3008,

0.3882

0.6992

351.1319, 0.3323,  
0.3847

0.0345, 0.0000,  
1.0000

0.0000, 0.0000,  
0.0000

57.2354, 0.3454,  
0.4341

57.2354, 0.3454,  
0.4341

55.8228, 0.3520,  
0.4622

58.8218, 0.3377,  
0.4057

54.5685, 0.3570,  
0.4886

60.5819, 0.3292,  
0.3779

53.4660, 0.3599,  
0.5122

62.5249, 0.3206,  
0.3514

52.5056, 0.3605,  
0.5318

64.6575, 0.3119,  
0.3267

■ 51.6755, 0.3585,  
0.5463

■ 66.9857, 0.3035,  
0.3040

■ 50.9576, 0.3546,  
0.5561

■ 69.5152, 0.2954,  
0.2833

■ 50.8924, 0.3542,  
0.5570

■ 70.8952, 0.3003,  
0.2831

■ 72.2717, 0.3059,  
0.2839

■ 73.7090, 0.3115,  
0.2846

# Harmonies

## Analogous

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



57.2354, 0.3957, 0.4226



57.2354, 0.3454, 0.4341



57.2354, 0.2889, 0.4097

# Triad

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



57.2354, 0.3454, 0.4341



57.2354, 0.2108, 0.2579



57.2354, 0.3859, 0.2997

# Complementary

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



57.2354, 0.3454, 0.4341



27.4619, 0.2679, 0.2186

# 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.



57.2354, 0.3293, 0.2641



57.2354, 0.3454, 0.4341



57.2354, 0.2310, 0.2395

# Square

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



57.2354, 0.3454, 0.4341



57.2354, 0.2142, 0.2988



57.2354, 0.2727, 0.2425



57.2354, 0.4222, 0.3432



# Rectangle

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



57.2354, 0.3454, 0.4341



57.2354, 0.2554, 0.3758



57.2354, 0.2727, 0.2425



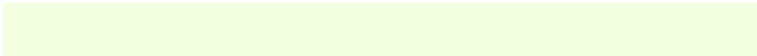
57.2354, 0.3683, 0.2866

# Sweetspot

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



57.2379, 0.3454, 0.4341



96.0577, 0.3233, 0.3594



39.7381, 0.3944, 0.3669



20.4740, 0.3244, 0.3629



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.



57.2379, 0.3454, 0.4341



86.9379, 0.3511, 0.4580



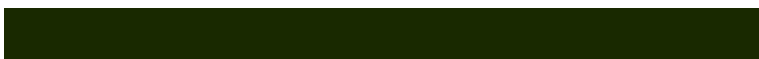
53.1336, 0.3147, 0.4449



13.5654, 0.3209, 0.3524



31.1044, 0.3551, 0.5563



1.7838, 0.3669, 0.5469



# Inverse Universe

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



27.4619, 0.2679, 0.2186



34.3417, 0.2553, 0.1920



32.2451, 0.3064, 0.2302



11.6320, 0.3040, 0.3054



3.9132, 0.1816, 0.0774



0.2637, 0.2026, 0.0890



# Previews

## White Background



This preview shows how the Yxy color 57.2354, 0.3454, 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 57.2354, 0.3454, 0.4341 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

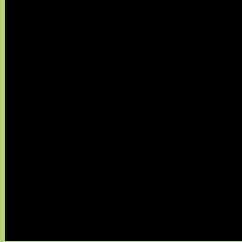
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 57.2354, 0.3454, 0.4341**

## **Background**



This preview shows how black text looks on a background with the Yxy color 57.2354, 0.3454, 0.4341.



This preview shows how white text looks on a background with the Yxy color 57.2354, 0.3454, 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



### Original Color

57.2354, 0.3454, 0.4341

### Protanopia

57.0538, 0.3844, 0.4163

### Deuteranopia

56.6700, 0.4010, 0.3929



## Tritanopia

57.2912, 0.2954, 0.3111

# Trichromacy



## Original Color

57.2354, 0.3454, 0.4341

## Protanomaly

56.8891, 0.3699, 0.4235

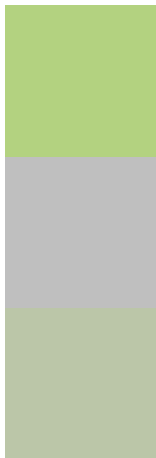
## Deuteranomaly

56.3229, 0.3802, 0.4065

## Tritanomaly

57.1694, 0.3146, 0.3552

# Monochromacy



## Original Color

57.2354, 0.3454, 0.4341

## Achromatopsia

52.0996, 0.3127, 0.3290

## Achromatomaly

53.7801, 0.3261, 0.3672

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  57.2354, 0.3454, 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(179, 210, 128)` looks like.

```
.text, #text, p{  
    color:rgb(179, 210, 128)  
}
```

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(179, 210, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 210, 128) }
```

## Border

The CSS property to change the border of an element to Yxy 57.2354, 0.3454, 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(179, 210, 128) }
```

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

```
.border{ border-color:rgb(179, 210, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 210, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 210, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 210, 128);  
box-shadow:4px 4px 4px 4px rgb(179, 210,  
128) }
```



# Background

The CSS property to change the background color of an element to Yxy 57.2354, 0.3454, 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(179, 210, 128) }
```

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

```
.background{ background-color: rgb(179,  
210, 128) }
```

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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