

# Converting Colors

Yxy(54.2790, 0.3518, 0.4350)

Have a look what the booklet for  
Yxy(54.2790, 0.3518, 0.4350)  
contains.

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# Color

**Yxy(54.2942, 0.3520, 0.4351)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B4CC7A
RGB	180, 204, 122
RGB Percent	71%, 80%, 48%
CMY	0.2942, 0.2000, 0.5217
CMYK	0.12, 0.00, 0.40, 0.20
HSL	78°, 45%, 64%
HSV	78°, 40%, 80%
XYZ	43.9245, 54.2942, 26.5668
YIQ	187.4760, 12.0180, -30.5900

# Conversions

## Conversions Part 2

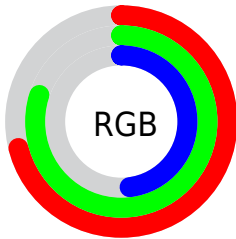
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	122, 204, 146
Decimal	11848826
CIE Lab	78.63, -21.33, 38.19
CIE LCh	79, 43.740, 119.190
Yxy	54.2942, 0.3520, 0.4351
Android (android.graphics.Color)	4290038906 (0xFFB4CC7A)
YUV	187.4760, -32.2797, -6.5565
Hunter-Lab	73.6846, -22.5415, 30.2023

# Details

The Yxy color  $54.2942, 0.3520, 0.4351$  is a light color, and the websafe version is hex `CCCC66`. A complement of this color would be  $24.3822, 0.2598, 0.2132$ , and the grayscale version is  $50.1567, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $92.6197, 0.3480, 0.4110$ , and  $26.7032, 0.3599, 0.4654$  is the 20% darker color. If you saturate the color by 10%, you get  $53.1415, 0.3599, 0.4617$ , and if you desaturate by 10%, it is  $55.5888, 0.3429, 0.4077$ .

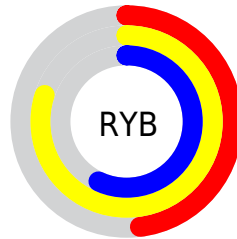
# Distribution



Red (71%)

Green (80%)

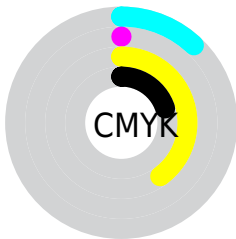
Blue (48%)



Red (48%)

Yellow (80%)

Blue (57%)

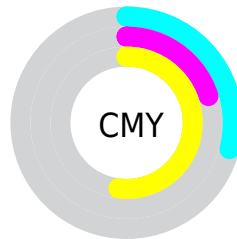


Cyan (12%)

Magenta (0%)

Yellow (40%)

Black (20%)



Cyan (29%)

Magenta (20%)

Yellow (52%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 54.2942, 0.3520, 0.4351 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 54.2942, 0.3520, 0.4351 by changing the saturation by 10% instead.





 54.2942, 0.3520,  
0.4351


 54.2942, 0.3520,  
0.4351

403.2309, 0.3346,  
0.3819

 38.8369, 0.3555,  
0.4481


 96.5061, 0.3463,  
0.4159

 26.6329, 0.3594,  
0.4646


 124.0295, 0.3440,  
0.4086

 17.2977, 0.3637,  
0.4860


 156.3437, 0.3419,  
0.4025

 10.4470, 0.3678,  
0.5145

193.8331, 0.3401,  
0.3972

 5.6963, 0.3701,  
0.5539

236.8821, 0.3385,  
0.3926

 2.6613, 0.3744,  
0.6256

285.8752, 0.3371,

 0.9576, 0.2882,

0.3886

0.7118

341.1966, 0.3358,  
0.3851

0.0000, 0.0000,  
0.0000

54.2942, 0.3520,  
0.4351

54.2942, 0.3520,  
0.4351

53.1415, 0.3599,  
0.4617

55.5888, 0.3429,  
0.4077

52.1163, 0.3662,  
0.4863

57.0245, 0.3330,  
0.3805

51.2132, 0.3703,  
0.5078

58.6098, 0.3230,  
0.3543


50.4234, 0.3719,  
0.5251

60.3503, 0.3129,  
0.3295

49.7362, 0.3710,  
0.5376

62.2513, 0.3032,  
0.3065

 49.1444, 0.3682,  
0.5459

 64.3178, 0.2939,  
0.2854

 65.9087, 0.2913,  
0.2755

 66.8677, 0.2955,  
0.2761

 67.8604, 0.2997,  
0.2768

# Harmonies

## Analogous

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



54.2942, 0.4009, 0.4199



54.2942, 0.3520, 0.4351



54.2942, 0.2951, 0.4149

# Triad

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



54.2942, 0.3520, 0.4351



54.2942, 0.2095, 0.2611



54.2942, 0.3804, 0.2949

# Complementary

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



54.2942, 0.3520, 0.4351



24.3822, 0.2598, 0.2132

# 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.



54.2942, 0.3224, 0.2604



54.2942, 0.3520, 0.4351



54.2942, 0.2271, 0.2400

# Square

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



54.2942, 0.3520, 0.4351



54.2942, 0.2156, 0.3047



54.2942, 0.2666, 0.2407



54.2942, 0.4202, 0.3380



# Rectangle

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



54.2942, 0.3520, 0.4351



54.2942, 0.2605, 0.3826



54.2942, 0.2666, 0.2407



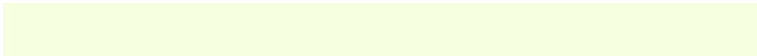
54.2942, 0.3621, 0.2821

# Sweetspot

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



54.2966, 0.3520, 0.4351



96.5237, 0.3249, 0.3593



34.5597, 0.4011, 0.3593



20.5840, 0.3263, 0.3627



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

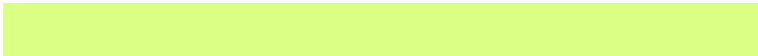


# Same Dimension

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



54.2966, 0.3520, 0.4351



88.2875, 0.3588, 0.4576



50.1481, 0.3197, 0.4469



12.9254, 0.3221, 0.3522



30.9786, 0.3689, 0.5453



1.6360, 0.3791, 0.5372



# Inverse Universe

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



24.3822, 0.2598, 0.2132



32.2588, 0.2457, 0.1860



28.7405, 0.2991, 0.2253



11.0005, 0.3027, 0.3054



3.3854, 0.1700, 0.0710



0.2141, 0.1918, 0.0830



# Previews

## White Background



This preview shows how the Yxy color 54.2942, 0.3520, 0.4351 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

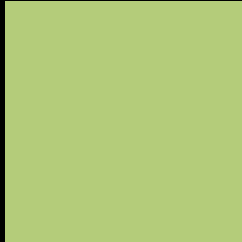
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 54.2942, 0.3520, 0.4351 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

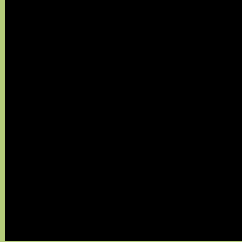
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

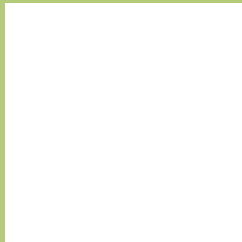
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 54.2942, 0.3520, 0.4351**

## **Background**



This preview shows how black text looks on a background with the Yxy color 54.2942, 0.3520, 0.4351.



This preview shows how white text looks on a background with the Yxy color 54.2942, 0.3520, 0.4351.

# 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

54.2942, 0.3520, 0.4351

### Protanopia

53.8886, 0.3868, 0.4193

### Deuteranopia

54.1166, 0.4044, 0.3960



## Tritanopia

54.2634, 0.2995, 0.3108

# Trichromacy



## Original Color

54.2942, 0.3520, 0.4351

## Protanomaly

53.9994, 0.3736, 0.4261

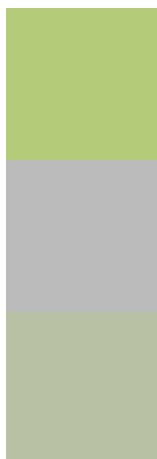
## Deuteranomaly

53.9167, 0.3839, 0.4098

## Tritanomaly

54.1273, 0.3194, 0.3556

# Monochromacy



## Original Color

54.2942, 0.3520, 0.4351

## Achromatopsia

49.6933, 0.3127, 0.3290

## Achromatomaly

50.9746, 0.3281, 0.3680

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 54.2942, 0.3520, 0.4351 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(180, 204, 122)` looks like.

```
.text, #text, p{  
    color:rgb(180, 204, 122)  
}
```

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(180, 204, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 204, 122) }
```

## Border

The CSS property to change the border of an element to Yxy 54.2942, 0.3520, 0.4351 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(180, 204, 122) }
```

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

```
.border{ border-color:rgb(180, 204, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 204, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(180, 204, 122); -webkit-box-shadow:4px 4px 4px 4px rgb(180, 204, 122); box-shadow:4px 4px 4px 4px rgb(180, 204, 122) }
```



# Background

The CSS property to change the background color of an element to Yxy 54.2942, 0.3520, 0.4351 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 204, 122) }
```

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

```
.background{ background-color: rgb(180,  
204, 122) }
```

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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