

# Converting Colors

$Yxy(53.8500, 0.3515, 0.4382)$

Have a look what the booklet for  
Yxy(53.8500, 0.3515, 0.4382)  
contains.

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# Color

**Yxy(54.0068, 0.3516, 0.4382)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B2CC78
RGB	178, 204, 120
RGB Percent	70%, 80%, 47%
CMY	0.3022, 0.1999, 0.5294
CMYK	0.13, 0.00, 0.41, 0.20
HSL	79°, 45%, 64%
HSV	79°, 41%, 80%
XYZ	43.3336, 54.0068, 25.9065
YIQ	186.6500, 11.4680, -31.6360

# Conversions

## Conversions Part 2

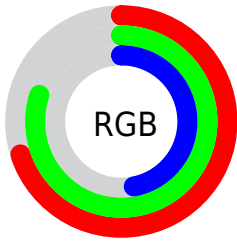
<b>Format</b>	<b>Color</b>
<b>RYB</b>	120, 204, 146
Decimal	11717752
CIELab	78.47, -22.35, 38.94
CIELCh	78, 44.900, 119.857
Yxy	54.0068, 0.3516, 0.4382
Android (android.graphics.Color)	4289907832 (0xFFB2CC78)
YUV	186.6500, -32.8585, -7.5861
Hunter-Lab	73.4893, -23.3522, 30.5416

# Details

The Yxy color **54.0068, 0.3516, 0.4382** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **23.9084, 0.2595, 0.2105**, and the grayscale version is **49.6662, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.1993, 0.3478, 0.4134**, and **26.5274, 0.3592, 0.4695** is the 20% darker color. If you saturate the color by 10%, you get **52.8341, 0.3591, 0.4649**, and if you desaturate by 10%, it is **55.3243, 0.3429, 0.4106**.

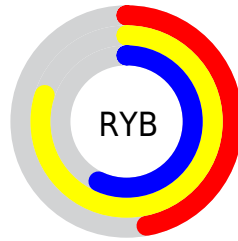
# Distribution



Red (70%)

Green (80%)

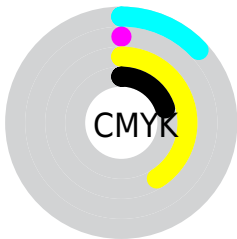
Blue (47%)



Red (47%)

Yellow (80%)

Blue (57%)

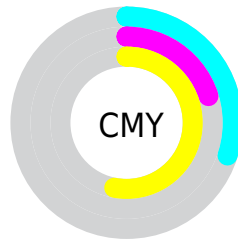


Cyan (13%)

Magenta (0%)

Yellow (41%)

Black (20%)



Cyan (30%)

Magenta (20%)


Yellow (53%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 54.0068, 0.3516, 0.4382 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 54.0068, 0.3516, 0.4382 by changing the saturation by 10% instead.





 54.0068, 0.3516,  
0.4382

 54.0068, 0.3516,  
0.4382


402.1359, 0.3345,  
0.3834


 38.6071, 0.3550,  
0.4517


 96.0842, 0.3460,  
0.4184

 26.4542, 0.3587,  
0.4687


 123.5307, 0.3437,  
0.4109

 17.1637, 0.3627,  
0.4908


 155.7617, 0.3417,  
0.4046

 10.3513, 0.3662,  
0.5202

193.1614, 0.3399,  
0.3991

 5.6325, 0.3679,  
0.5615

236.1142, 0.3384,  
0.3944

 2.6229, 0.3682,  
0.6318

285.0047, 0.3369,

 0.9382, 0.2689,

0.3903

0.7311

340.2171, 0.3357,  
0.3866

0.0000, 0.0000,  
0.0000

54.0068, 0.3516,  
0.4382

54.0068, 0.3516,  
0.4382

52.8341, 0.3591,  
0.4649

55.3243, 0.3429,  
0.4106

51.7920, 0.3648,  
0.4896

56.7862, 0.3334,  
0.3833

50.8746, 0.3684,  
0.5111


58.4009, 0.3236,  
0.3568


50.0730, 0.3695,  
0.5283

60.1741, 0.3139,  
0.3318


49.3764, 0.3681,  
0.5407

62.1114, 0.3044,  
0.3087

 48.8325, 0.3652,  
0.5482

 64.2177, 0.2953,  
0.2874

 65.9851, 0.2917,  
0.2755

 67.0051, 0.2961,  
0.2762

 68.0630, 0.3006,  
0.2769

# Harmonies

## Analogous

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



54.0068, 0.4022, 0.4228



54.0068, 0.3516, 0.4382



54.0068, 0.2932, 0.4167

# Triad

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



54.0068, 0.3516, 0.4382



54.0068, 0.2071, 0.2585



54.0068, 0.3835, 0.2948

# Complementary

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



54.0068, 0.3516, 0.4382



23.9084, 0.2595, 0.2105

# 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.



54.0068, 0.3240, 0.2594



54.0068, 0.3516, 0.4382



54.0068, 0.2256, 0.2375

# Square

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



54.0068, 0.3516, 0.4382



54.0068, 0.2127, 0.3026



54.0068, 0.2665, 0.2388



54.0068, 0.4239, 0.3391



# Rectangle

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



54.0068, 0.3516, 0.4382



54.0068, 0.2579, 0.3830



54.0068, 0.2665, 0.2388



54.0068, 0.3647, 0.2817

# Sweetspot

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



54.0092, 0.3516, 0.4382



96.4271, 0.3246, 0.3593



34.5079, 0.4032, 0.3619



20.5612, 0.3259, 0.3628



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

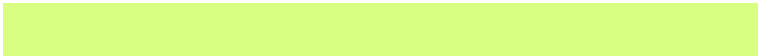


# Same Dimension

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



54.0092, 0.3516, 0.4382



87.7671, 0.3580, 0.4609



49.8517, 0.3187, 0.4505



12.9153, 0.3219, 0.3522



30.7806, 0.3660, 0.5476



1.6269, 0.3767, 0.5391



# Inverse Universe

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



23.9084, 0.2595, 0.2105



31.6136, 0.2456, 0.1833



28.3833, 0.3001, 0.2232



11.0100, 0.3030, 0.3054



3.4590, 0.1722, 0.0722



0.2188, 0.1942, 0.0844



# Previews

## White Background



This preview shows how the Yxy color 54.0068, 0.3516, 0.4382 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 54.0068, 0.3516, 0.4382 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

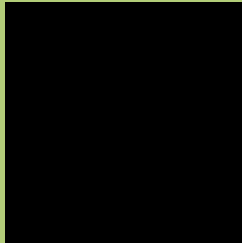
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 54.0068, 0.3516, 0.4382**

## **Background**



This preview shows how black text looks on a background with the Yxy color 54.0068, 0.3516, 0.4382.



This preview shows how white text looks on a background with the Yxy color 54.0068, 0.3516, 0.4382.

# 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

54.0068, 0.3516, 0.4382

### Protanopia

53.8416, 0.3883, 0.4215

### Deuteranopia

53.4768, 0.4056, 0.3974



## Tritanopia

54.1342, 0.2987, 0.3108

# Trichromacy



## Original Color

54.0068, 0.3516, 0.4382

## Protanomaly

53.9519, 0.3750, 0.4284

## Deuteranomaly

53.2755, 0.3850, 0.4113

## Tritanomaly

54.0016, 0.3186, 0.3556

# Monochromacy



## Original Color

54.0068, 0.3516, 0.4382

## 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  $Yxy$  54.0068, 0.3516, 0.4382 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, 204, 120)` looks like.

```
.text, #text, p{  
    color:rgb(178, 204, 120)  
}
```

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, 204, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 204, 120) }
```

## Border

The CSS property to change the border of an element to Yxy 54.0068, 0.3516, 0.4382 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, 204, 120) }
```

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

```
.border{ border-color:rgb(178, 204, 120) }
```

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

Here you see how a box with a 4 pixel rgb(178, 204, 120) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 204, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 204, 120);  
box-shadow:4px 4px 4px 4px rgb(178, 204,  
120) }
```



# Background

The CSS property to change the background color of an element to Yxy 54.0068, 0.3516, 0.4382 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 204, 120) }
```

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

```
.background{ background-color: rgb(178,  
204, 120) }
```

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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