

# Converting Colors

Yxy(51.5512, 0.3567, 0.4391)

Have a look what the booklet for  
Yxy(51.5512, 0.3567, 0.4391)  
contains.

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# Color

**Yxy(51.5496, 0.3567, 0.4391)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B2C773
RGB	178, 199, 115
RGB Percent	70%, 78%, 45%
CMY	0.3020, 0.2196, 0.5489
CMYK	0.11, 0.00, 0.42, 0.22
HSL	75°, 43%, 62%
HSV	75°, 42%, 78%
XYZ	41.8760, 51.5496, 23.9727
YIQ	183.1450, 14.4480, -30.5760

# Conversions

## Conversions Part 2

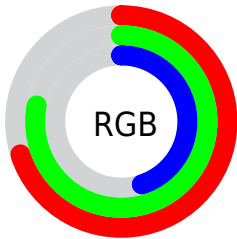
<b>Format</b>	<b>Color</b>
<b>RYB</b>	115, 199, 136
Decimal	11716467
CIELab	77.01, -20.45, 39.60
CIELCh	77, 44.563, 117.310
Yxy	51.5496, 0.3567, 0.4391
Android (android.graphics.Color)	4289906547 (0xFFB2C773)
YUV	183.1450, -33.5955, -4.5122
Hunter-Lab	71.7981, -21.5370, 30.4622

# Details

The Yxy color **51.5496, 0.3567, 0.4391** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **21.6333, 0.2533, 0.2059**, and the grayscale version is **47.6205, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.0093, 0.3507, 0.4185**, and **24.9175, 0.3652, 0.4693** is the 20% darker color. If you saturate the color by 10%, you get **50.5631, 0.3651, 0.4647**, and if you desaturate by 10%, it is **52.6610, 0.3470, 0.4124**.

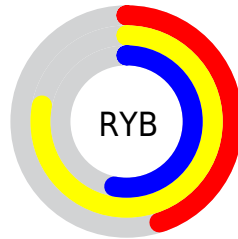
# Distribution



Red (70%)

Green (78%)

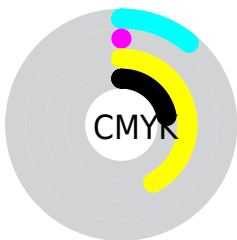
Blue (45%)



Red (45%)

Yellow (78%)

Blue (53%)

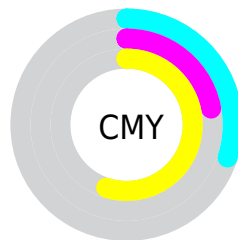


Cyan (11%)

Magenta (0%)

Yellow (42%)

Black (22%)



Cyan (30%)

Magenta (22%)


Yellow (55%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 51.5496, 0.3567, 0.4391 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 51.5496, 0.3567, 0.4391 by changing the saturation by 10% instead.




 51.5496, 0.3567,  
0.4391

 51.5496, 0.3567,  
0.4391

392.6953, 0.3370,  
0.3836


 36.6462, 0.3607,  
0.4527


 92.4667, 0.3502,  
0.4190

 24.9337, 0.3652,  
0.4700


 119.2491, 0.3475,  
0.4114

 16.0276, 0.3700,  
0.4924


 150.7600, 0.3452,  
0.4050

 9.5437, 0.3745,  
0.5220

187.3838, 0.3432,  
0.3995

 5.0975, 0.3793,  
0.5666

229.5048, 0.3414,  
0.3948

 2.3046, 0.3737,  
0.6263

277.5075, 0.3398,

 0.7761, 0.2351,

0.3906

0.7649

331.7762, 0.3383,  
0.3869

0.0000, 0.0000,  
0.0000

51.5496, 0.3567,  
0.4391

51.5496, 0.3567,  
0.4391

50.5631, 0.3651,  
0.4647

52.6610, 0.3470,  
0.4124

49.6881, 0.3717,  
0.4879

53.8965, 0.3366,  
0.3855

48.9193, 0.3761,  
0.5078

55.2640, 0.3258,  
0.3593


48.2482, 0.3780,  
0.5233


56.7687, 0.3150,  
0.3343


47.6649, 0.3773,  
0.5342

58.4157, 0.3046,  
0.3109

 47.2564, 0.3755,  
0.5401

 60.2095, 0.2947,  
0.2893

 62.1545, 0.2853,  
0.2696

 62.9530, 0.2884,  
0.2696

 63.7323, 0.2919,  
0.2702

# Harmonies

## Analogous

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



51.5496, 0.4063, 0.4209



51.5496, 0.3567, 0.4391



51.5496, 0.2979, 0.4208

# Triad

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



51.5496, 0.3567, 0.4391



51.5496, 0.2058, 0.2608



51.5496, 0.3794, 0.2911

# Complementary

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



51.5496, 0.3567, 0.4391



21.6333, 0.2533, 0.2059

# 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.



51.5496, 0.3188, 0.2565



51.5496, 0.3567, 0.4391



51.5496, 0.2225, 0.2377

# Square

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



51.5496, 0.3567, 0.4391



51.5496, 0.2137, 0.3071



51.5496, 0.2618, 0.2373



51.5496, 0.4225, 0.3351



# Rectangle

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



51.5496, 0.3567, 0.4391



51.5496, 0.2616, 0.3884



51.5496, 0.2618, 0.2373



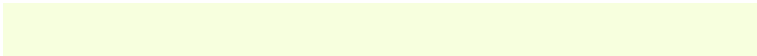
51.5496, 0.3601, 0.2782

# Sweetspot

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



51.5519, 0.3567, 0.4391



96.5052, 0.3269, 0.3618



30.9984, 0.4085, 0.3571



20.5381, 0.3293, 0.3676



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.



51.5519, 0.3567, 0.4391



88.5972, 0.3648, 0.4636



47.3261, 0.3220, 0.4525



12.2781, 0.3227, 0.3521



30.4271, 0.3761, 0.5396



1.4734, 0.3855, 0.5321



# Inverse Universe

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



21.6333, 0.2533, 0.2059



29.0950, 0.2364, 0.1746



25.8604, 0.2953, 0.2194



10.4137, 0.3021, 0.3054



3.1203, 0.1653, 0.0684



0.1832, 0.1878, 0.0808



# Previews

## White Background



This preview shows how the Yxy color 51.5496, 0.3567, 0.4391 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 51.5496, 0.3567, 0.4391 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

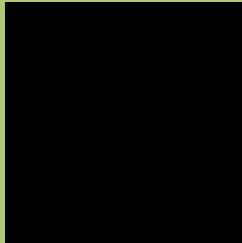
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 51.5496, 0.3567, 0.4391**

## **Background**



This preview shows how black text looks on a background with the Yxy color 51.5496, 0.3567, 0.4391.



This preview shows how white text looks on a background with the Yxy color 51.5496, 0.3567, 0.4391.

# 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

51.5496, 0.3567, 0.4391

### Protanopia

51.4067, 0.3897, 0.4231

### Deuteranopia

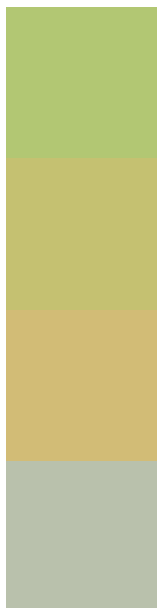
51.0377, 0.4083, 0.3995



## Tritanopia

51.5736, 0.3015, 0.3105

# Trichromacy



## Original Color

51.5496, 0.3567, 0.4391

## Protanomaly

51.2025, 0.3775, 0.4288

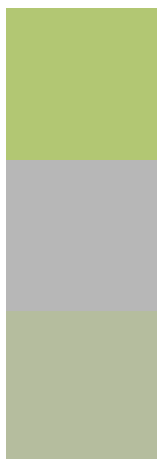
## Deuteranomaly

50.9761, 0.3880, 0.4135

## Tritanomaly

51.4328, 0.3220, 0.3560

# Monochromacy



## Original Color

51.5496, 0.3567, 0.4391

## Achromatopsia

47.3531, 0.3127, 0.3290

## Achromatomaly

48.6876, 0.3301, 0.3701

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 51.5496, 0.3567, 0.4391 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, 199, 115)` looks like.

```
.text, #text, p{  
    color:rgb(178, 199, 115)  
}
```

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, 199, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 199, 115) }
```

## Border

The CSS property to change the border of an element to Yxy 51.5496, 0.3567, 0.4391 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, 199, 115) }
```

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

```
.border{ border-color:rgb(178, 199, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 199, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 199, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 199, 115);  
box-shadow:4px 4px 4px 4px rgb(178, 199,  
115) }
```



# Background

The CSS property to change the background color of an element to Yxy 51.5496, 0.3567, 0.4391 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 199, 115) }
```

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

```
.background{ background-color: rgb(178,  
199, 115) }
```

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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