

# Converting Colors

$Y_{xy}(50.5727, 0.3560, 0.4189)$

Have a look what the booklet for  
Yxy(50.5727, 0.3560, 0.4189)  
contains.

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# Color

**Yxy(50.7269, 0.3557, 0.4191)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B8C37E
RGB	184, 195, 126
RGB Percent	72%, 76%, 49%
CMY	0.2783, 0.2353, 0.5059
CMYK	0.06, 0.00, 0.35, 0.24
HSL	70°, 37%, 63%
HSV	70°, 35%, 76%
XYZ	43.0531, 50.7269, 27.2577
YIQ	183.8450, 15.5930, -23.7910

# Conversions

## Conversions Part 2

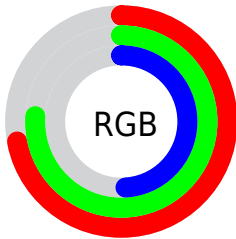
Format	Color
<b>RYB</b>	126, 195, 137
Decimal	12108670
CIELab	76.51, -14.77, 33.46
CIELCh	77, 36.572, 113.819
Yxy	50.7269, 0.3557, 0.4191
Android (android.graphics.Color)	4290298750 (0xFFB8C37E)
YUV	183.8450, -28.5176, 0.1359
Hunter-Lab	71.2228, -16.7394, 27.1651

# Details

The Yxy color **50.7269, 0.3557, 0.4191** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **24.1748, 0.2590, 0.2267**, and the grayscale version is **47.9998, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.5763, 0.3491, 0.4035**, and **24.3174, 0.3654, 0.4435** is the 20% darker color. If you saturate the color by 10%, you get **49.8953, 0.3667, 0.4443**, and if you desaturate by 10%, it is **51.6696, 0.3438, 0.3931**.

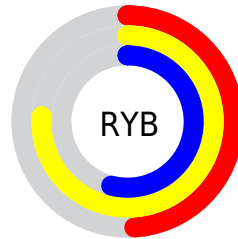
# Distribution



Red (72%)

Green (76%)

Blue (49%)



Red (49%)

Yellow (76%)

Blue (54%)

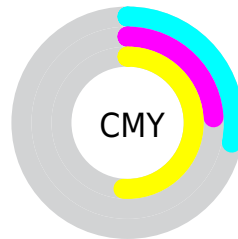


Cyan (6%)

Magenta (0%)

Yellow (35%)

Black (24%)



Cyan (28%)

Magenta (24%)

Yellow (51%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 50.7269, 0.3557, 0.4191 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 50.7269, 0.3557, 0.4191 by changing the saturation by 10% instead.



■ 50.7269, 0.3557,  
0.4191

■ 50.7269, 0.3557,  
0.4191

389.5018, 0.3357,  
0.3738

■ 35.9913, 0.3601,  
0.4303

■ 91.2510, 0.3488,  
0.4027

■ 24.4275, 0.3654,  
0.4445

■ 117.8082, 0.3461,  
0.3965

■ 15.6510, 0.3716,  
0.4630

■ 149.0748, 0.3438,  
0.3913

■ 9.2776, 0.3788,  
0.4880

185.4352, 0.3417,  
0.3868

■ 4.9227, 0.3862,  
0.5228

227.2736, 0.3399,  
0.3829

■ 2.2020, 0.4049,  
0.5951

274.9746, 0.3384,

■ 0.7211, 0.3106,

0.3795

0.6894

328.9226, 0.3369,  
0.3765

0.0000, 0.0000,  
0.0000

50.7269, 0.3557,  
0.4191

50.7269, 0.3557,  
0.4191

49.8953, 0.3667,  
0.4443

51.6696, 0.3438,  
0.3931

49.1621, 0.3762,  
0.4676

52.7218, 0.3315,  
0.3672

48.5233, 0.3838,  
0.4880


53.8908, 0.3192,  
0.3420


47.9716, 0.3890,  
0.5047


55.1811, 0.3073,  
0.3182


47.4989, 0.3917,  
0.5169

56.5972, 0.2958,  
0.2959


 47.0948, 0.3918,  
0.5247

 58.1432, 0.2851,  
0.2753

 46.9222, 0.3914,  
0.5274

 59.3311, 0.2797,  
0.2637

 59.7783, 0.2819,  
0.2641

 60.2342, 0.2841,  
0.2645

# Harmonies

## Analogous

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



50.7269, 0.3947, 0.4032



50.7269, 0.3557, 0.4191



50.7269, 0.3070, 0.4068

# Triad

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



50.7269, 0.3557, 0.4191



50.7269, 0.2224, 0.2765



50.7269, 0.3625, 0.2936

# Complementary

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



50.7269, 0.3557, 0.4191



24.1748, 0.2590, 0.2267

# 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.



50.7269, 0.3123, 0.2652



50.7269, 0.3557, 0.4191



50.7269, 0.2342, 0.2539

# Square

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



50.7269, 0.3557, 0.4191



50.7269, 0.2319, 0.3174



50.7269, 0.2658, 0.2508



50.7269, 0.4003, 0.3307



# Rectangle

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



50.7269, 0.3557, 0.4191



50.7269, 0.2757, 0.3826



50.7269, 0.2658, 0.2508



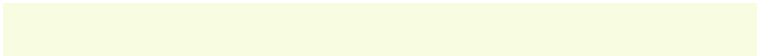
50.7269, 0.3463, 0.2828

# Sweetspot

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



50.7292, 0.3557, 0.4191



95.2858, 0.3263, 0.3565



30.8131, 0.3913, 0.3433



20.8042, 0.3280, 0.3600



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.



50.7292, 0.3557, 0.4191



89.7566, 0.3638, 0.4375



47.0328, 0.3267, 0.4282



11.6747, 0.3241, 0.3519



30.5284, 0.3918, 0.5271



1.3413, 0.3983, 0.5219



# Inverse Universe

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



24.1748, 0.2590, 0.2267



35.5599, 0.2455, 0.2023



27.5005, 0.2919, 0.2356



9.8231, 0.3007, 0.3054



2.7744, 0.1573, 0.0640



0.1446, 0.1759, 0.0743



# Previews

## White Background



This preview shows how the Yxy color 50.7269, 0.3557, 0.4191 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 50.7269, 0.3557, 0.4191 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

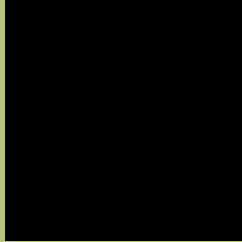
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 50.7269, 0.3557, 0.4191**

## Background



This preview shows how black text looks on a background with the Yxy color 50.7269, 0.3557, 0.4191.



This preview shows how white text looks on a background with the Yxy color 50.7269, 0.3557, 0.4191.

# 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

50.7269, 0.3557, 0.4191

### Protanopia

50.8044, 0.3792, 0.4103

### Deuteranopia

50.2350, 0.3969, 0.3884



## Tritanopia

50.6254, 0.3078, 0.3118

# Trichromacy



**Original Color**

50.7269, 0.3557, 0.4191

**Protanomaly**

50.5872, 0.3703, 0.4135

**Deuteranomaly**

49.9581, 0.3816, 0.3986

**Tritanomaly**

50.3595, 0.3260, 0.3494

# Monochromacy



**Original Color**

50.7269, 0.3557, 0.4191

**Achromatopsia**

47.9320, 0.3127, 0.3290

**Achromatomaly**

48.8011, 0.3289, 0.3618

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 50.7269, 0.3557, 0.4191 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, 195, 126)` looks like.

```
.text, #text, p{  
    color:rgb(184, 195, 126)  
}
```

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, 195, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 195, 126) }
```

## Border

The CSS property to change the border of an element to Yxy 50.7269, 0.3557, 0.4191 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, 195, 126) }
```

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

```
.border{ border-color:rgb(184, 195, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 195, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 195, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 195, 126);  
box-shadow:4px 4px 4px 4px rgb(184, 195,  
126) }
```



# Background

The CSS property to change the background color of an element to Yxy 50.7269, 0.3557, 0.4191 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 195, 126) }
```

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

```
.background{ background-color: rgb(184,  
195, 126) }
```

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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