

# Converting Colors

Yxy(50.2889, 0.3733, 0.4636)

Have a look what the booklet for  
Yxy(50.2889, 0.3733, 0.4636)  
contains.

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# Color

**Yxy(50.2889, 0.3733, 0.4636)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B3C55C
RGB	179, 197, 92
RGB Percent	70%, 77%, 36%
CMY	0.2979, 0.2275, 0.6393
CMYK	0.09, 0.00, 0.53, 0.23
HSL	70°, 48%, 57%
HSV	70°, 53%, 77%
XYZ	40.4936, 50.2889, 17.6922
YIQ	179.6480, 22.9770, -36.4710

# Conversions

## Conversions Part 2

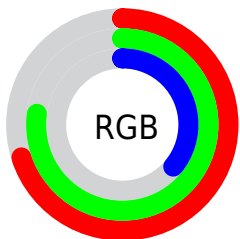
Format	Color
<b>RYB</b>	92, 197, 110
Decimal	11781468
CIELab	76.25, -21.38, 49.91
CIELCh	76, 54.297, 113.193
Yxy	50.2889, 0.3733, 0.4636
Android (android.graphics.Color)	4289971548 (0xFFB3C55C)
YUV	179.6480, -43.2105, -0.5683
Hunter-Lab	70.9147, -22.1738, 34.8482

# Details

The Yxy color **50.2889, 0.3733, 0.4636** is a light color, and the websafe version is hex **CCCC66**. The color can be described as light muted chartreuse. A complement of this color would be **14.9929, 0.2259, 0.1667**, and the grayscale version is **45.6728, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.7608, 0.3643, 0.4400**, and **24.0832, 0.3835, 0.4988** is the 20% darker color. If you saturate the color by 10%, you get **49.5937, 0.3811, 0.4850**, and if you desaturate by 10%, it is **51.0880, 0.3636, 0.4396**.

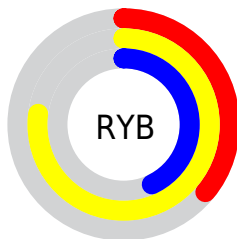
# Distribution



Red (70%)

Green (77%)

Blue (36%)



Red (36%)

Yellow (77%)

Blue (43%)

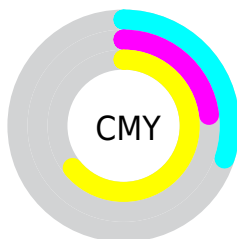


Cyan (9%)

Magenta (0%)

Yellow (53%)

Black (23%)



Cyan (30%)

Magenta (23%)


Yellow (64%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 50.2889, 0.3733, 0.4636 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 50.2889, 0.3733, 0.4636 by changing the saturation by 10% instead.




 50.2889, 0.3733,  
0.4636

 50.2889, 0.3733,  
0.4636


387.7946, 0.3468,  
0.3964


 35.6430, 0.3783,  
0.4796


 90.6028, 0.3648,  
0.4396

 24.1586, 0.3835,  
0.4994


 117.0395, 0.3613,  
0.4304

 15.4513, 0.3884,  
0.5242


 148.1754, 0.3581,  
0.4226

 9.1367, 0.3913,  
0.5553

 184.3947, 0.3553,  
0.4159

 4.8305, 0.3952,  
0.6048

226.0819, 0.3528,  
0.4100

 2.1481, 0.3654,  
0.6346

273.6214, 0.3506,

 0.6915, 0.1636,

0.4049

0.8364

327.3975, 0.3486,  
0.4004

0.0000, 0.0000,  
0.0000

50.2889, 0.3733,  
0.4636

50.2889, 0.3733,  
0.4636

49.5937, 0.3811,  
0.4850

51.0880, 0.3636,  
0.4396

48.9884, 0.3866,  
0.5027

51.9907, 0.3526,  
0.4140

48.4670, 0.3896,  
0.5161

53.0050, 0.3408,  
0.3878

48.0198, 0.3900,  
0.5250

54.1362, 0.3287,  
0.3619

47.7496, 0.3893,  
0.5291

55.3895, 0.3166,  
0.3370

■ 56.7694, 0.3050,  
0.3134

■ 58.2804, 0.2938,  
0.2915

■ 59.9268, 0.2834,  
0.2713

■ 60.7587, 0.2824,  
0.2664

# Harmonies

## Analogous

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



50.2889, 0.4314, 0.4326



50.2889, 0.3733, 0.4636



50.2889, 0.3026, 0.4505

# Triad

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



50.2889, 0.3733, 0.4636



50.2889, 0.1847, 0.2510



50.2889, 0.3847, 0.2764

# Complementary

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



50.2889, 0.3733, 0.4636



14.9929, 0.2259, 0.1667

# 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.



50.2889, 0.3089, 0.2381



50.2889, 0.3733, 0.4636



50.2889, 0.2003, 0.2213

# Square

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



50.2889, 0.3733, 0.4636



50.2889, 0.1971, 0.3100



50.2889, 0.2428, 0.2183



50.2889, 0.4427, 0.3267



# Rectangle

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



50.2889, 0.3733, 0.4636



50.2889, 0.2578, 0.4130



50.2889, 0.2428, 0.2183



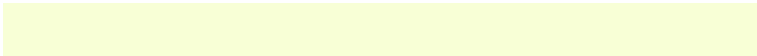
50.2889, 0.3599, 0.2619

# Sweetspot

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



50.2912, 0.3733, 0.4636



96.3457, 0.3323, 0.3695



23.6826, 0.4532, 0.3522



20.5303, 0.3348, 0.3749



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.



50.2912, 0.3733, 0.4636



88.6343, 0.3822, 0.4882



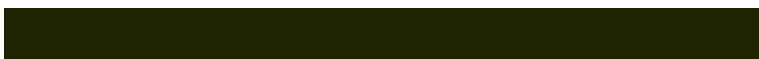
45.2142, 0.3292, 0.4857



12.3217, 0.3239, 0.3520



31.4402, 0.3897, 0.5288



1.5136, 0.3962, 0.5236



# Inverse Universe

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



14.9929, 0.2259, 0.1667



18.8122, 0.2038, 0.1297



19.3621, 0.2791, 0.1876



10.3732, 0.3009, 0.3053



2.8972, 0.1581, 0.0645



0.1650, 0.1765, 0.0746



# Previews

## White Background



This preview shows how the Yxy color 50.2889, 0.3733, 0.4636 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 50.2889, 0.3733, 0.4636 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

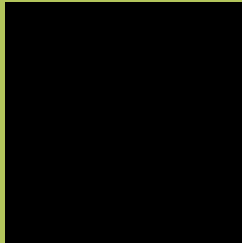
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 50.2889, 0.3733, 0.4636**

## Background



This preview shows how black text looks on a background with the Yxy color 50.2889, 0.3733, 0.4636.



This preview shows how white text looks on a background with the Yxy color 50.2889, 0.3733, 0.4636.

# 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

50.2889, 0.3733, 0.4636

### Protanopia

50.0976, 0.4067, 0.4449

### Deuteranopia

50.0922, 0.4284, 0.4188



## Tritanopia

49.9444, 0.3062, 0.3104

# Trichromacy



**Original Color**

50.2889, 0.3733, 0.4636

**Protanomaly**

49.8701, 0.3941, 0.4518

**Deuteranomaly**

49.9411, 0.4077, 0.4353

**Tritanomaly**

49.5332, 0.3329, 0.3654

# Monochromacy



**Original Color**

50.2889, 0.3733, 0.4636

**Achromatopsia**

45.6411, 0.3127, 0.3290

**Achromatomaly**

46.9592, 0.3377, 0.3800

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 50.2889, 0.3733, 0.4636 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, 197, 92)` looks like.

```
.text, #text, p{  
    color:rgb(179, 197, 92)  
}
```

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, 197, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 197, 92) }
```

## Border

The CSS property to change the border of an element to Yxy 50.2889, 0.3733, 0.4636 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, 197, 92) }
```

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

```
.border{ border-color:rgb(179, 197, 92) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 197, 92)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 197, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 197, 92);  
box-shadow:4px 4px 4px 4px rgb(179, 197,  
92) }
```



# Background

The CSS property to change the background color of an element to Yxy 50.2889, 0.3733, 0.4636 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 197, 92) }
```

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

```
.background{ background-color: rgb(179,  
197, 92) }
```

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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