

Converting Colors

$Y_{xy}(57.6541, 0.3900, 0.5093)$

Have a look what the booklet for
Yxy(57.6541, 0.3900, 0.5093)
contains.

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Color

Yxy(57.5985, 0.3897, 0.5096)

Conversions

Conversions Part 1

Format	Color
Hex	B9D42E
RGB	185, 212, 46
RGB Percent	73%, 83%, 18%
CMY	0.2745, 0.1686, 0.8195
CMYK	0.13, 0.00, 0.78, 0.17
HSL	70°, 66%, 51%
HSV	70°, 78%, 83%
XYZ	44.0466, 57.5985, 11.3818
YIQ	185.0030, 37.1940, -57.3500

Conversions

Conversions Part 2

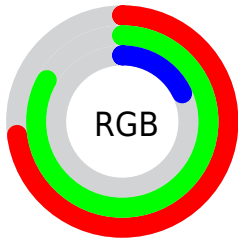
Format	Color
RYB	46, 212, 73
Decimal	12178478
CIELab	80.52, -29.09, 72.19
CIELCh	81, 77.831, 111.945
Yxy	57.5985, 0.3897, 0.5096
Android (android.graphics.Color)	4290368558 (0xFFB9D42E)
YUV	185.0030, -68.5285, -0.0026
Hunter-Lab	75.8937, -29.2175, 44.2338

Details

The Yxy color **57.5985, 0.3897, 0.5096** is a dark color, and the websafe version is hex **99CC33**. The color can be described as middle washed chartreuse. A complement of this color would be **8.1255, 0.1799, 0.0936**, and the grayscale version is **48.8941, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.7937, 0.3884, 0.4712**, and **28.7031, 0.3874, 0.5306** is the 20% darker color. If you saturate the color by 10%, you get **57.0495, 0.3914, 0.5205**, and if you desaturate by 10%, it is **58.2456, 0.3854, 0.4942**.

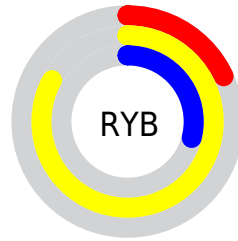
Distribution



Red (73%)

Green (83%)

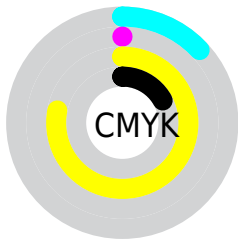
Blue (18%)



Red (18%)

Yellow (83%)

Blue (29%)

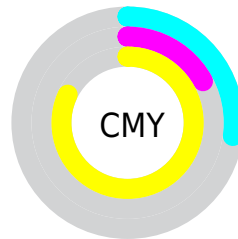


Cyan (13%)

Magenta (0%)

Yellow (78%)

Black (17%)



Cyan (27%)


Magenta (17%)


Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 57.5985, 0.3897, 0.5096 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 57.5985, 0.3897, 0.5096 by changing the saturation by 10% instead.


 57.5985, 0.3897,
0.5096


 57.5985, 0.3897,
0.5096


415.6882, 0.3608,
0.4239


 41.4860, 0.3932,
0.5278


 101.3380, 0.3819,
0.4805


 28.6990, 0.3955,
0.5490

 129.7336, 0.3781,
0.4690


 18.8532, 0.3952,
0.5731


 162.9925, 0.3746,
0.4589

 11.5643, 0.3936,
0.6064

 201.4989, 0.3714,
0.4501

 6.4477, 0.3726,
0.6274

 245.6373, 0.3684,
0.4423

 3.1192, 0.3399,
0.6601

295.7921, 0.3656,

 1.1943, 0.2492,

0.4355

0.7508

352.3476, 0.3631,
0.4294

0.0570, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

57.5985, 0.3897,
0.5096

57.5985, 0.3897,
0.5096

57.0495, 0.3914,
0.5205

58.2456, 0.3854,
0.4942

56.5748, 0.3908,
0.5271


58.9937, 0.3785,
0.4748


56.4974, 0.3906,
0.5280


59.8547, 0.3696,
0.4521

60.8366, 0.3590,
0.4272

 61.9467, 0.3473,
0.4011

 63.1918, 0.3351,
0.3749

 64.5779, 0.3228,
0.3494

 66.1110, 0.3107,
0.3249

 67.7964, 0.2991,
0.3020

Harmonies

Analogous

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



57.5985, 0.4678, 0.4554



57.5985, 0.3897, 0.5096



57.5985, 0.2973, 0.5046

Triad

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



57.5985, 0.3897, 0.5096



57.5985, 0.1480, 0.2248



57.5985, 0.4058, 0.2564

Complementary

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



57.5985, 0.3897, 0.5096



8.1255, 0.1799, 0.0936

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.



57.5985, 0.3013, 0.2099



57.5985, 0.3897, 0.5096



57.5985, 0.1660, 0.1891

Square

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



57.5985, 0.3897, 0.5096



57.5985, 0.1625, 0.3028



57.5985, 0.2166, 0.1861



57.5985, 0.4880, 0.3177

Rectangle

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



57.5985, 0.3897, 0.5096



57.5985, 0.2391, 0.4527



57.5985, 0.2166, 0.1861



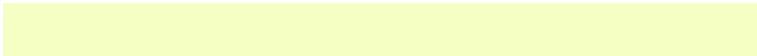
57.5985, 0.3709, 0.2388

Sweetspot

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



57.6011, 0.3897, 0.5096



95.0174, 0.3412, 0.3879



18.6903, 0.5619, 0.3513



20.1928, 0.3456, 0.3975



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.



57.6011, 0.3897, 0.5096



86.1579, 0.3912, 0.5252



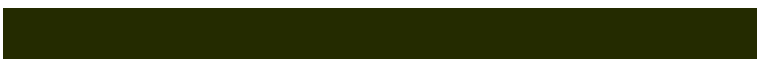
50.2351, 0.3281, 0.5538



14.4130, 0.3242, 0.3522



34.9150, 0.3911, 0.5277



2.1338, 0.3962, 0.5236

Inverse Universe

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



8.1255, 0.1799, 0.0936



8.3621, 0.1603, 0.0678



13.5697, 0.2534, 0.1314



12.1047, 0.3006, 0.3051



3.1784, 0.1573, 0.0640



0.2225, 0.1719, 0.0721

Previews

White Background



This preview shows how the Yxy color 57.5985, 0.3897, 0.5096 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 57.5985, 0.3897, 0.5096 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

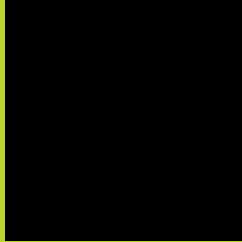
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 57.5985, 0.3897, 0.5096

Background



This preview shows how black text looks on a background with the Yxy color 57.5985, 0.3897, 0.5096.



This preview shows how white text looks on a background with the Yxy color 57.5985, 0.3897, 0.5096.

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

57.5985, 0.3897, 0.5096

Protanopia

57.3303, 0.4327, 0.4786

Deuteranopia

57.0146, 0.4589, 0.4483



Tritanopia

57.1541, 0.3043, 0.3102

Trichromacy



Original Color

57.5985, 0.3897, 0.5096

Protanomaly

57.0692, 0.4173, 0.4897

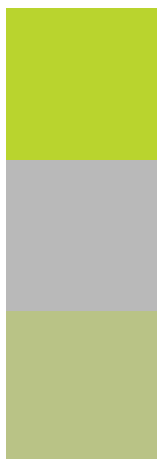
Deuteranomaly

56.3583, 0.4337, 0.4703

Tritanomaly

56.1102, 0.3439, 0.3914

Monochromacy



Original Color

57.5985, 0.3897, 0.5096

Achromatopsia

48.5150, 0.3127, 0.3290

Achromatomaly

51.0657, 0.3506, 0.4086

CSS Examples

Text

The CSS property to change the color of the text to Yxy 57.5985, 0.3897, 0.5096 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(185, 212, 46)` looks like.

```
.text, #text, p{  
    color:rgb(185, 212, 46)  
}
```

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(185, 212, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 212, 46) }
```

Border

The CSS property to change the border of an element to Yxy 57.5985, 0.3897, 0.5096 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(185, 212, 46) }
```

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

```
.border{ border-color:rgb(185, 212, 46) }
```

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

Here you see how a box with a 4 pixel rgb(185, 212, 46) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 212, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 212, 46);  
box-shadow:4px 4px 4px 4px rgb(185, 212,  
46) }
```


Background

The CSS property to change the background color of an element to Yxy 57.5985, 0.3897, 0.5096 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 212, 46) }
```

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

```
.background{ background-color: rgb(185,  
212, 46) }
```

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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