

Converting Colors

$Yxy(58.7377, 0.3668, 0.4859)$

Have a look what the booklet for
Yxy(58.7377, 0.3668, 0.4859)
contains.

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Color

Yxy(58.7377, 0.3668, 0.4859)

Conversions

Conversions Part 1

Format	Color
Hex	B2D756
RGB	178, 215, 86
RGB Percent	70%, 84%, 34%
CMY	0.3020, 0.1568, 0.6627
CMYK	0.17, 0.00, 0.60, 0.16
HSL	77°, 62%, 59%
HSV	77°, 60%, 84%
XYZ	44.3404, 58.7377, 17.8063
YIQ	189.2310, 19.3570, -47.9630

Conversions

Conversions Part 2

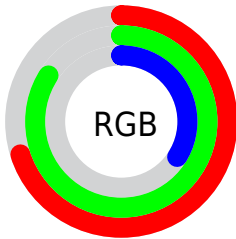
Format	Color
RYB	86, 215, 123
Decimal	11720534
CIELab	81.15, -30.95, 58.12
CIELCh	81, 65.853, 118.037
Yxy	58.7377, 0.3668, 0.4859
Android (android.graphics.Color)	4289910614 (0xFFB2D756)
YUV	189.2310, -50.8929, -9.8496
Hunter-Lab	76.6405, -30.8497, 39.8732

Details

The Yxy color **58.7377, 0.3668, 0.4859** is a light color, and the websafe version is hex **99CC33**. The color can be described as light muted chartreuse. A complement of this color would be **15.7762, 0.2250, 0.1494**, and the grayscale version is **51.3186, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.2463, 0.3666, 0.4455**, and **29.3679, 0.3723, 0.5252** is the 20% darker color. If you saturate the color by 10%, you get **57.7309, 0.3710, 0.5073**, and if you desaturate by 10%, it is **59.8867, 0.3604, 0.4613**.

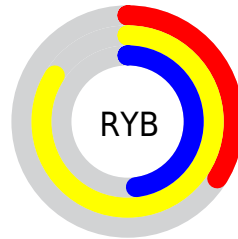
Distribution



Red (70%)

Green (84%)

Blue (34%)



Red (34%)

Yellow (84%)

Blue (48%)

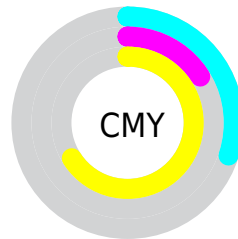


Cyan (17%)

Magenta (0%)

Yellow (60%)

Black (16%)



Cyan (30%)

Magenta (16%)

Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 58.7377, 0.3668, 0.4859 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 58.7377, 0.3668, 0.4859 by changing the saturation by 10% instead.


 58.7377, 0.3668,
0.4859

 58.7377, 0.3668,
0.4859


419.9292, 0.3457,
0.4090

 42.4020, 0.3699,
0.5037


 102.9963, 0.3607,
0.4588


 29.4162, 0.3725,
0.5254


 131.6881, 0.3579,
0.4483

 19.3959, 0.3737,
0.5521


 165.2673, 0.3554,
0.4394

 11.9567, 0.3715,
0.5847

 204.1184, 0.3531,
0.4316

 6.7142, 0.3667,
0.6333

248.6257, 0.3510,
0.4249

 3.2840, 0.3329,
0.6671

299.1737, 0.3490,

 1.2817, 0.2456,

0.4189

0.7544

356.1467, 0.3473,
0.4137

■ 0.1270, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 58.7377, 0.3668,
0.4859

■ 58.7377, 0.3668,
0.4859

■ 57.7309, 0.3710,
0.5073

■ 59.8867, 0.3604,
0.4613

■ 56.8485, 0.3727,
0.5246


■ 61.1791, 0.3523,
0.4347

■ 56.0811, 0.3719,
0.5370

■ 62.6253, 0.3431,
0.4073


■ 55.4075, 0.3690,
0.5452


■ 64.2329, 0.3331,
0.3801


 55.4073, 0.3690,
0.5452

 66.0085, 0.3229,
0.3538

 67.9587, 0.3127,
0.3290

 70.0893, 0.3029,
0.3059

 72.2102, 0.2954,
0.2877

 73.2333, 0.2996,
0.2882

Harmonies

Analogous

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



58.7377, 0.4372, 0.4526



58.7377, 0.3668, 0.4859



58.7377, 0.2865, 0.4631

Triad

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



58.7377, 0.3668, 0.4859



58.7377, 0.1697, 0.2318



58.7377, 0.4084, 0.2773

Complementary

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



58.7377, 0.3668, 0.4859



15.7762, 0.2250, 0.1494

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.



58.7377, 0.3216, 0.2323



58.7377, 0.3668, 0.4859



58.7377, 0.1917, 0.2050

Square

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



58.7377, 0.3668, 0.4859



58.7377, 0.1776, 0.2926



58.7377, 0.2433, 0.2067



58.7377, 0.4689, 0.3340

Rectangle

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



58.7377, 0.3668, 0.4859



58.7377, 0.2380, 0.4133



58.7377, 0.2433, 0.2067



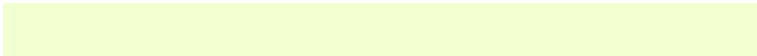
58.7377, 0.3805, 0.2606

Sweetspot

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



58.7403, 0.3668, 0.4859



94.9760, 0.3312, 0.3752



29.1768, 0.4685, 0.3721



20.1718, 0.3342, 0.3831



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.



58.7403, 0.3668, 0.4859



84.5825, 0.3717, 0.5124



52.8502, 0.3195, 0.5129



14.3327, 0.3223, 0.3523



33.1948, 0.3698, 0.5446



2.0433, 0.3786, 0.5376

Inverse Universe

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



15.7762, 0.2250, 0.1494



16.0679, 0.2033, 0.1140



22.1359, 0.2890, 0.1772



12.1795, 0.3026, 0.3052



3.5879, 0.1691, 0.0705



0.2583, 0.1878, 0.0808

Previews

White Background



This preview shows how the Yxy color 58.7377, 0.3668, 0.4859 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 58.7377, 0.3668, 0.4859 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 58.7377, 0.3668, 0.4859

Background



This preview shows how black text looks on a background with the Yxy color 58.7377, 0.3668, 0.4859.



This preview shows how white text looks on a background with the Yxy color 58.7377, 0.3668, 0.4859.

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

58.7377, 0.3668, 0.4859

Protanopia

58.2298, 0.4159, 0.4556

Deuteranopia

58.0084, 0.4370, 0.4273



Tritanopia

58.6405, 0.2949, 0.3101

Trichromacy



Original Color

58.7377, 0.3668, 0.4859

Protanomaly

58.0325, 0.3975, 0.4673

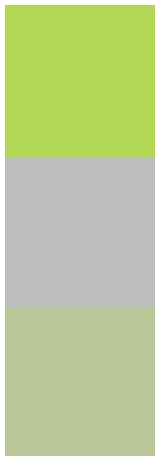
Deuteranomaly

57.7347, 0.4113, 0.4486

Tritanomaly

58.2193, 0.3243, 0.3753

Monochromacy



Original Color

58.7377, 0.3668, 0.4859

Achromatopsia

50.8881, 0.3127, 0.3290

Achromatomaly

52.9695, 0.3364, 0.3885

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.7377, 0.3668, 0.4859 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, 215, 86)` looks like.

```
.text, #text, p{  
    color:rgb(178, 215, 86)  
}
```

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, 215, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 215, 86) }
```

Border

The CSS property to change the border of an element to Yxy 58.7377, 0.3668, 0.4859 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, 215, 86) }
```

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

```
.border{ border-color:rgb(178, 215, 86) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 215, 86)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 215, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 215, 86);  
box-shadow:4px 4px 4px 4px rgb(178, 215,  
86) }
```


Background

The CSS property to change the background color of an element to Yxy 58.7377, 0.3668, 0.4859 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 215, 86) }
```

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

```
.background{ background-color: rgb(178,  
215, 86) }
```

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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