

Converting Colors

$Y_{xy}(59.0907, 0.3876, 0.5305)$

Have a look what the booklet for
Yxy(59.0907, 0.3876, 0.5305)
contains.

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Color

Yxy(59.0907, 0.3876, 0.5305)

Conversions

Conversions Part 1

Format	Color
Hex	B2D900
RGB	178, 217, 0
RGB Percent	70%, 85%, 0%
CMY	0.3019, 0.1490, 1.0000
CMYK	0.18, 0.00, 1.00, 0.15
HSL	71°, 100%, 43%
HSV	71°, 100%, 85%
XYZ	43.1735, 59.0907, 9.1226
YIQ	180.6010, 46.4130, -75.7550

Conversions

Conversions Part 2

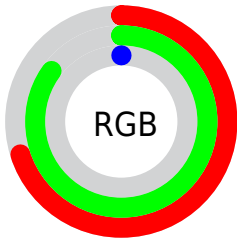
Format	Color
RYB	0, 217, 39
Decimal	11720960
CIELab	81.34, -35.22, 80.32
CIELCh	81, 87.699, 113.680
Yxy	59.0907, 0.3876, 0.5305
Android (android.graphics.Color)	4289911040 (0xFFB2D900)
YUV	180.6010, -89.0363, -2.2811
Hunter-Lab	76.8705, -34.2706, 46.7731

Details

The Yxy color **59.0907, 0.3876, 0.5305** is a dark color, and the websafe version is hex **99CC00**. The color can be described as middle washed chartreuse. A complement of this color would be **5.4412, 0.1576, 0.0642**, and the grayscale version is **46.4556, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.3853, 0.3916, 0.4866**, and **29.8337, 0.3746, 0.5408** is the 20% darker color. If you saturate the color by 10%, you get **59.0939, 0.3876, 0.5305**, and if you desaturate by 10%, it is **59.6186, 0.3887, 0.5241**.

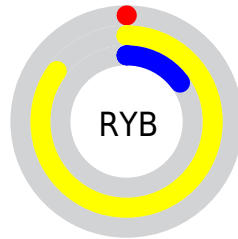
Distribution



Red (70%)

Green (85%)

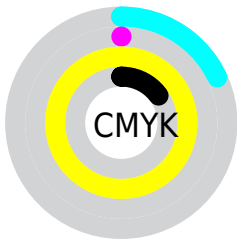
Blue (0%)



Red (0%)

Yellow (85%)

Blue (15%)

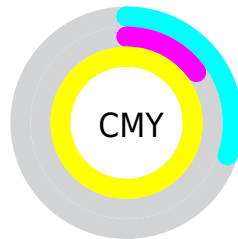


Cyan (18%)

Magenta (0%)

Yellow (100%)

Black (15%)



Cyan (30%)


Magenta (15%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 59.0907, 0.3876, 0.5305 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 59.0907, 0.3876, 0.5305 by changing the saturation by 10% instead.


 59.0907, 0.3876,
0.5305


 59.0907, 0.3876,
0.5305

421.2380, 0.3626,
0.4361


 42.6861, 0.3893,
0.5499


 103.5095, 0.3819,
0.4990


 29.6389, 0.3889,
0.5720


 132.2925, 0.3788,
0.4862

 19.5647, 0.3851,
0.5973


 165.9704, 0.3756,
0.4751

 12.0790, 0.3747,
0.6253

 204.9277, 0.3727,
0.4653

 6.7975, 0.3500,
0.6500

 249.5487, 0.3699,
0.4567

 3.3358, 0.3118,
0.6882

 300.2178, 0.3673,

 1.3095, 0.2030,

0.4490

0.7970

357.3194, 0.3648,
0.4422

■ 0.1485, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 59.0907, 0.3876,
0.5305

■ 59.0907, 0.3876,
0.5305

■ 59.0939, 0.3876,
0.5305

■ 59.6186, 0.3887,
0.5241

■ 60.2203, 0.3878,
0.5137

■ 60.9202, 0.3842,
0.4987

■ 61.7301, 0.3781,
0.4795

■ 62.6601, 0.3698,
0.4570

■ 63.7188, 0.3598,
0.4321

■ 64.9143, 0.3485,
0.4060

■ 66.2536, 0.3367,
0.3796

■ 67.7435, 0.3246,
0.3537

Harmonies

Analogous

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



59.0907, 0.4758, 0.4676



59.0907, 0.3876, 0.5305



59.0907, 0.2869, 0.5249

Triad

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



59.0907, 0.3876, 0.5305



59.0907, 0.1342, 0.2099



59.0907, 0.4226, 0.2524

Complementary

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



59.0907, 0.3876, 0.5305



5.4412, 0.1576, 0.0642

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.



59.0907, 0.3056, 0.2016



59.0907, 0.3876, 0.5305



59.0907, 0.1554, 0.1753

Square

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



59.0907, 0.3876, 0.5305



59.0907, 0.1465, 0.2915



59.0907, 0.2113, 0.1745



59.0907, 0.5112, 0.3180

Rectangle

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



59.0907, 0.3876, 0.5305



59.0907, 0.2246, 0.4626



59.0907, 0.2113, 0.1745



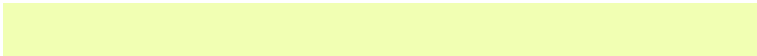
59.0907, 0.3837, 0.2333

Sweetspot

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



59.0939, 0.3876, 0.5305



93.4999, 0.3489, 0.4067



16.0242, 0.6247, 0.3422



19.8511, 0.3537, 0.4179



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.



59.0939, 0.3876, 0.5305



85.1012, 0.3873, 0.5307



51.0184, 0.3165, 0.5869



15.1394, 0.3239, 0.3523



35.8129, 0.3881, 0.5301



2.3517, 0.3934, 0.5258

Inverse Universe

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



5.4412, 0.1576, 0.0642



7.7967, 0.1570, 0.0639



10.9997, 0.2375, 0.1082



12.7291, 0.3009, 0.3050



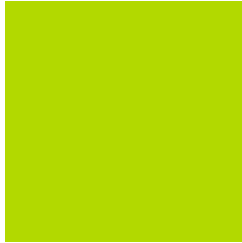
3.3264, 0.1585, 0.0647



0.2497, 0.1730, 0.0727

Previews

White Background



This preview shows how the Yxy color 59.0907, 0.3876, 0.5305 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 59.0907, 0.3876, 0.5305 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 59.0907, 0.3876, 0.5305

Background



This preview shows how black text looks on a background with the Yxy color 59.0907, 0.3876, 0.5305.



This preview shows how white text looks on a background with the Yxy color 59.0907, 0.3876, 0.5305.

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

59.0907, 0.3876, 0.5305

Protanopia

58.5720, 0.4404, 0.4885

Deuteranopia

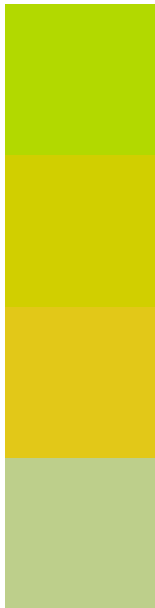
58.4724, 0.4665, 0.4558



Tritanopia

59.0388, 0.2971, 0.3102

Trichromacy



Original Color

59.0907, 0.3876, 0.5305

Protanomaly

58.1810, 0.4210, 0.5039

Deuteranomaly

57.5433, 0.4387, 0.4838

Tritanomaly

57.3085, 0.3470, 0.4146

Monochromacy



Original Color

59.0907, 0.3876, 0.5305

Achromatopsia

46.2077, 0.3127, 0.3290

Achromatomaly

49.5247, 0.3604, 0.4331

CSS Examples

Text

The CSS property to change the color of the text to Yxy 59.0907, 0.3876, 0.5305 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, 217, 0)` looks like.

```
.text, #text, p{  
    color:rgb(178, 217, 0)  
}
```

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, 217, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 217, 0) }
```

Border

The CSS property to change the border of an element to Yxy 59.0907, 0.3876, 0.5305 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, 217, 0) }
```

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

```
.border{ border-color:rgb(178, 217, 0) }
```

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

Here you see how a box with a 4 pixel rgb(178, 217, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 217, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 217, 0);  
box-shadow:4px 4px 4px 4px rgb(178, 217,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 59.0907, 0.3876, 0.5305 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 217, 0) }
```

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

```
.background{ background-color: rgb(178,  
217, 0) }
```

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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