

Converting Colors

$Y_{xy}(60.1677, 0.3872, 0.5178)$

Have a look what the booklet for
Yxy(60.1677, 0.3872, 0.5178)
contains.

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Color

Yxy(59.9560, 0.3876, 0.5172)

Conversions

Conversions Part 1

Format	Color
Hex	B8D926
RGB	184, 217, 38
RGB Percent	72%, 85%, 15%
CMY	0.2784, 0.1490, 0.8510
CMYK	0.15, 0.00, 0.82, 0.15
HSL	71°, 70%, 50%
HSV	71°, 82%, 85%
XYZ	44.9322, 59.9560, 11.0360
YIQ	186.7270, 37.7910, -62.6650

Conversions

Conversions Part 2

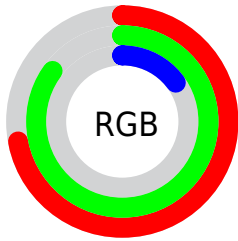
Format	Color
RYB	38, 217, 71
Decimal	12114214
CIELab	81.81, -32.11, 75.40
CIELCh	82, 81.949, 113.069
Yxy	59.9560, 0.3876, 0.5172
Android (android.graphics.Color)	4290304294 (0xFFB8D926)
YUV	186.7270, -73.3224, -2.3916
Hunter-Lab	77.4313, -31.9238, 45.7515

Details

The Yxy color **59.9560, 0.3876, 0.5172** 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 **7.7335, 0.1760, 0.0861**, and the grayscale version is **49.9391, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.7124, 0.3901, 0.4740**, and **30.2763, 0.3809, 0.5358** is the 20% darker color. If you saturate the color by 10%, you get **59.3702, 0.3879, 0.5265**, and if you desaturate by 10%, it is **60.6427, 0.3848, 0.5033**.

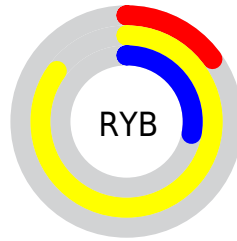
Distribution



Red (72%)

Green (85%)

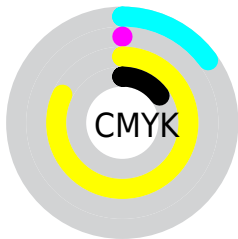
Blue (15%)



Red (15%)

Yellow (85%)

Blue (28%)

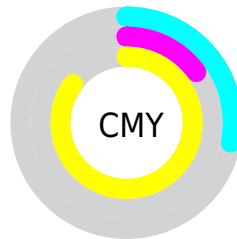


Cyan (15%)

Magenta (0%)

Yellow (82%)

Black (15%)



Cyan (28%)


Magenta (15%)


Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 59.9560, 0.3876, 0.5172 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 59.9560, 0.3876, 0.5172 by changing the saturation by 10% instead.


 59.9560, 0.3876,
0.5172


 59.9560, 0.3876,
0.5172

424.4356, 0.3608,
0.4286

 43.3832, 0.3904,
0.5358


 104.7658, 0.3808,
0.4873

 30.1859, 0.3917,
0.5573


 133.7716, 0.3773,
0.4753


 19.9797, 0.3899,
0.5817


 167.6905, 0.3740,
0.4649

 12.3803, 0.3859,
0.6141

 206.9070, 0.3709,
0.4558

 7.0032, 0.3638,
0.6362

 251.8053, 0.3681,
0.4477

 3.4641, 0.3298,
0.6702

 302.7699, 0.3654,

 1.3786, 0.2499,

0.4406

0.7501

360.1852, 0.3630,
0.4343

■ 0.2009, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 59.9560, 0.3876,
0.5172

■ 59.9560, 0.3876,
0.5172

■ 59.3702, 0.3879,
0.5265

■ 60.6427, 0.3848,
0.5033

■ 58.9757, 0.3868,
0.5311

■ 61.4346, 0.3794,
0.4850

■ 62.3449, 0.3716,
0.4631

■ 63.3825, 0.3621,
0.4386

64.5556, 0.3512,
0.4126

65.8716, 0.3395,
0.3862

67.3372, 0.3275,
0.3601

68.9588, 0.3156,
0.3350

70.7423, 0.3041,
0.3114

Harmonies

Analogous

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



59.9560, 0.4696, 0.4608



59.9560, 0.3876, 0.5172



59.9560, 0.2923, 0.5104

Triad

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



59.9560, 0.3876, 0.5172



59.9560, 0.1433, 0.2189



59.9560, 0.4132, 0.2561

Complementary

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



59.9560, 0.3876, 0.5172



7.7335, 0.1760, 0.0861

Split Complementary

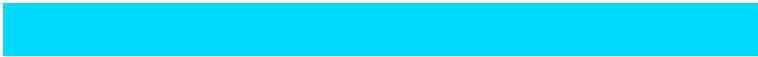
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



59.9560, 0.3045, 0.2077



59.9560, 0.3876, 0.5172



59.9560, 0.1630, 0.1841

Square

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



59.9560, 0.3876, 0.5172



59.9560, 0.1565, 0.2973



59.9560, 0.2160, 0.1824



59.9560, 0.4967, 0.3190

Rectangle

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



59.9560, 0.3876, 0.5172



59.9560, 0.2329, 0.4542



59.9560, 0.2160, 0.1824



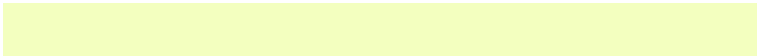
59.9560, 0.3770, 0.2378

Sweetspot

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



59.9587, 0.3876, 0.5172



94.3923, 0.3427, 0.3934



19.3734, 0.5725, 0.3554



20.0591, 0.3469, 0.4028



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.



59.9587, 0.3876, 0.5172



85.0054, 0.3867, 0.5308



52.1820, 0.3232, 0.5650



15.1363, 0.3239, 0.3523



35.7428, 0.3873, 0.5307



2.3477, 0.3928, 0.5263

Inverse Universe

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



7.7335, 0.1760, 0.0861



7.9300, 0.1581, 0.0648



13.9009, 0.2559, 0.1281



12.7320, 0.3009, 0.3050



3.3390, 0.1589, 0.0649



0.2510, 0.1736, 0.0730

Previews

White Background



This preview shows how the Yxy color 59.9560, 0.3876, 0.5172 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 59.9560, 0.3876, 0.5172 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 59.9560, 0.3876, 0.5172

Background



This preview shows how black text looks on a background with the Yxy color 59.9560, 0.3876, 0.5172.



This preview shows how white text looks on a background with the Yxy color 59.9560, 0.3876, 0.5172.

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

59.9560, 0.3876, 0.5172

Protanopia

59.4854, 0.4366, 0.4813

Deuteranopia

59.6479, 0.4611, 0.4514



Tritanopia

59.7205, 0.3008, 0.3104

Trichromacy



Original Color

59.9560, 0.3876, 0.5172

Protanomaly

59.3792, 0.4189, 0.4945

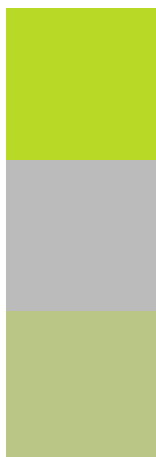
Deuteranomaly

59.1043, 0.4340, 0.4755

Tritanomaly

58.5277, 0.3420, 0.3958

Monochromacy



Original Color

59.9560, 0.3876, 0.5172

Achromatopsia

49.6933, 0.3127, 0.3290

Achromatomaly

52.5207, 0.3513, 0.4130

CSS Examples

Text

The CSS property to change the color of the text to Yxy 59.9560, 0.3876, 0.5172 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, 217, 38)` looks like.

```
.text, #text, p{  
    color:rgb(184, 217, 38)  
}
```

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, 217, 38) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 217, 38) }
```

Border

The CSS property to change the border of an element to Yxy 59.9560, 0.3876, 0.5172 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, 217, 38) }
```

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

```
.border{ border-color:rgb(184, 217, 38) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 217, 38)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 217, 38); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 217, 38);  
box-shadow:4px 4px 4px 4px rgb(184, 217,  
38) }
```


Background

The CSS property to change the background color of an element to Yxy 59.9560, 0.3876, 0.5172 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 217, 38) }
```

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

```
.background{ background-color: rgb(184,  
217, 38) }
```

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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