

Converting Colors

Yxy(63.9868, 0.3851, 0.5223)

Have a look what the booklet for
Yxy(63.9868, 0.3851, 0.5223)
contains.

Yxy(63.8659, 0.3855, 0.5217)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(63.8659, 0.3855, 0.5217)

Conversions

Conversions Part 1

Format	Color
Hex	BAE022
RGB	186, 224, 34
RGB Percent	73%, 88%, 13%
CMY	0.2706, 0.1215, 0.8663
CMYK	0.17, 0.00, 0.85, 0.12
HSL	72°, 75%, 51%
HSV	72°, 85%, 88%
XYZ	47.1925, 63.8659, 11.3605
YIQ	190.9780, 38.3420, -67.1460

Conversions

Conversions Part 2

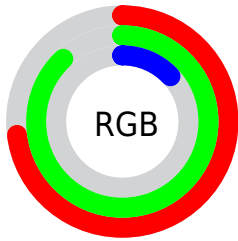
Format	Color
R _Y B	34, 224, 72
Decimal	12247074
CIE Lab	83.90, -34.66, 78.08
CIE LCh	84, 85.426, 113.936
Yxy	63.8659, 0.3855, 0.5217
Android (android.graphics.Color)	4290437154 (0xFFBAE022)
YUV	190.9780, -77.3902, -4.3657
Hunter-Lab	79.9161, -34.4446, 47.5129

Details

The Yxy color **63.8659, 0.3855, 0.5217** is a light color, and the websafe version is hex **99CC00**. The color can be described as light washed chartreuse. A complement of this color would be **7.9149, 0.1745, 0.0826**, and the grayscale version is **52.5345, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.0329, 0.3923, 0.4746**, and **32.9651, 0.3773, 0.5386** is the 20% darker color. If you saturate the color by 10%, you get **63.2256, 0.3849, 0.5302**, and if you desaturate by 10%, it is **64.6138, 0.3836, 0.5085**.

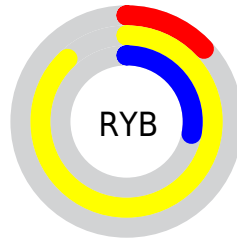
Distribution



Red (73%)

Green (88%)

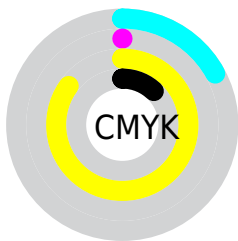
Blue (13%)



Red (13%)

Yellow (88%)

Blue (28%)

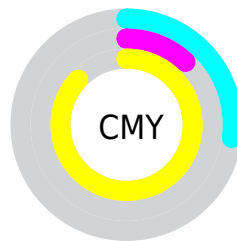


Cyan (17%)

Magenta (0%)

Yellow (85%)

Black (12%)



Cyan (27%)


Magenta (12%)


Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 63.8659, 0.3855, 0.5217 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 63.8659, 0.3855, 0.5217 by changing the saturation by 10% instead.


 63.8659, 0.3855,
0.5217


 63.8659, 0.3855,
0.5217


438.7052, 0.3605,
0.4319

 46.5421, 0.3877,
0.5404

 110.4178, 0.3794,
0.4916

 32.6738, 0.3885,
0.5618

 140.4146, 0.3762,
0.4795


 21.8767, 0.3861,
0.5861


 175.4046, 0.3732,
0.4689

 13.7663, 0.3815,
0.6185

 215.7721, 0.3703,
0.4596

 7.9583, 0.3594,
0.6406

 261.9015, 0.3675,
0.4514

 4.0683, 0.3261,
0.6739

 314.1773, 0.3650,

 1.7118, 0.2646,

0.4442

0.7354

372.9837, 0.3627,
0.4377

■ 0.4313, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 63.8659, 0.3855,
0.5217

■ 63.8659, 0.3855,
0.5217

■ 63.2256, 0.3849,
0.5302

■ 64.6138, 0.3836,
0.5085

■ 62.9178, 0.3839,
0.5334

■ 65.4748, 0.3790,
0.4909

■ 66.4635, 0.3721,
0.4694

■ 67.5902, 0.3632,
0.4451

68.8637, 0.3529,
0.4191

70.2922, 0.3416,
0.3924

71.8833, 0.3299,
0.3661

73.6439, 0.3182,
0.3407

75.5805, 0.3068,
0.3167

Harmonies

Analogous

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



63.8659, 0.4698, 0.4644



63.8659, 0.3855, 0.5217



63.8659, 0.2887, 0.5131

Triad

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



63.8659, 0.3855, 0.5217



63.8659, 0.1409, 0.2151



63.8659, 0.4182, 0.2564

Complementary

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



63.8659, 0.3855, 0.5217



7.9149, 0.1745, 0.0826

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.



63.8659, 0.3073, 0.2069



63.8659, 0.3855, 0.5217



63.8659, 0.1617, 0.1813

Square

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



63.8659, 0.3855, 0.5217



63.8659, 0.1530, 0.2934



63.8659, 0.2164, 0.1805



63.8659, 0.5019, 0.3203

Rectangle

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



63.8659, 0.3855, 0.5217



63.8659, 0.2287, 0.4539



63.8659, 0.2164, 0.1805



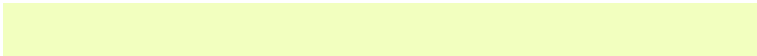
63.8659, 0.3815, 0.2378

Sweetspot

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



63.8688, 0.3855, 0.5217



94.2116, 0.3421, 0.3935



20.6104, 0.5780, 0.3572



20.0154, 0.3461, 0.4030



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.



63.8688, 0.3855, 0.5217



84.3492, 0.3836, 0.5336



55.6596, 0.3206, 0.5706



15.8837, 0.3236, 0.3524



36.6693, 0.3845, 0.5329



2.5774, 0.3901, 0.5284

Inverse Universe

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



7.9149, 0.1745, 0.0826



7.9253, 0.1586, 0.0647



14.7518, 0.2572, 0.1266



13.3748, 0.3012, 0.3050



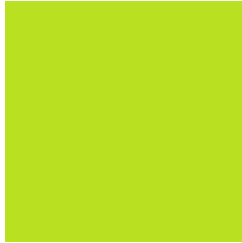
3.4940, 0.1601, 0.0656



0.2797, 0.1744, 0.0735

Previews

White Background



This preview shows how the Yxy color 63.8659, 0.3855, 0.5217 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 63.8659, 0.3855, 0.5217 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 63.8659, 0.3855, 0.5217

Background



This preview shows how black text looks on a background with the Yxy color 63.8659, 0.3855, 0.5217.



This preview shows how white text looks on a background with the Yxy color 63.8659, 0.3855, 0.5217.

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

63.8659, 0.3855, 0.5217

Protanopia

63.3568, 0.4371, 0.4833

Deuteranopia

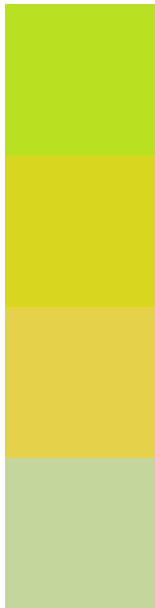
63.4504, 0.4332, 0.4288



Tritanopia

63.3854, 0.2983, 0.3097

Trichromacy



Original Color

63.8659, 0.3855, 0.5217

Protanomaly

62.9438, 0.4182, 0.4975

Deuteranomaly

62.9319, 0.4186, 0.4646

Tritanomaly

62.3638, 0.3399, 0.3994

Monochromacy



Original Color

63.8659, 0.3855, 0.5217

Achromatopsia

52.0996, 0.3127, 0.3290

Achromatomaly

55.2519, 0.3516, 0.4165

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.8659, 0.3855, 0.5217 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(186, 224, 34)` looks like.

```
.text, #text, p{  
    color:rgb(186, 224, 34)  
}
```

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(186, 224, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 224, 34) }
```

Border

The CSS property to change the border of an element to Yxy 63.8659, 0.3855, 0.5217 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(186, 224, 34) }
```

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

```
.border{ border-color:rgb(186, 224, 34) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 224, 34)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 224, 34); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 224, 34);  
box-shadow:4px 4px 4px 4px rgb(186, 224,  
34) }
```


Background

The CSS property to change the background color of an element to Yxy 63.8659, 0.3855, 0.5217 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 224, 34) }
```

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

```
.background{ background-color: rgb(186,  
224, 34) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor