

Converting Colors

$Y_{xy}(42.1709, 0.3644, 0.5489)$

Have a look what the booklet for
Yxy(42.1709, 0.3644, 0.5489)
contains.

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Color

Yxy(42.0869, 0.3648, 0.5485)

Conversions

Conversions Part 1

Format	Color
Hex	83BF00
RGB	131, 191, 0
RGB Percent	51%, 75%, 0%
CMY	0.4863, 0.2510, 0.9993
CMYK	0.31, 0.00, 1.00, 0.25
HSL	79°, 100%, 37%
HSV	79°, 100%, 75%
XYZ	27.9914, 42.0869, 6.6526
YIQ	151.2860, 25.5510, -72.1210

Conversions

Conversions Part 2

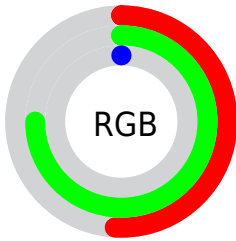
Format	Color
RYB	0, 191, 60
Decimal	8634112
CIELab	70.93, -42.04, 71.11
CIELCh	71, 82.608, 120.594
Yxy	42.0869, 0.3648, 0.5485
Android (android.graphics.Color)	4286824192 (0xFF83BF00)
YUV	151.2860, -74.5840, -17.7908
Hunter-Lab	64.8744, -36.5126, 39.3322

Details

The Yxy color **42.0869, 0.3648, 0.5485** is a dark color, and the websafe version is hex **99CC00**. A complement of this color would be **4.7316, 0.1719, 0.0721**, and the grayscale version is **31.4036, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.5328, 0.3629, 0.5089**, and **19.3472, 0.3438, 0.5652** is the 20% darker color. If you saturate the color by 10%, you get **42.0841, 0.3648, 0.5486**, and if you desaturate by 10%, it is **42.6299, 0.3679, 0.5395**.

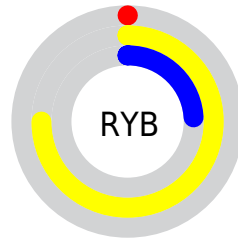
Distribution



Red (51%)

Green (75%)

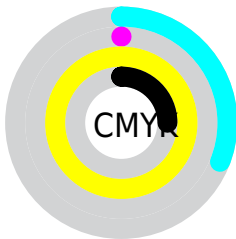
Blue (0%)



Red (0%)

Yellow (75%)

Blue (24%)

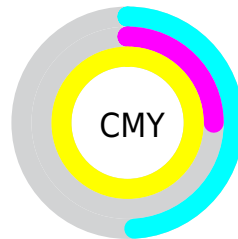


Cyan (31%)

Magenta (0%)

Yellow (100%)

Black (25%)



Cyan (49%)


Magenta (25%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.0869, 0.3648, 0.5485 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 42.0869, 0.3648, 0.5485 by changing the saturation by 10% instead.


 42.0869, 0.3648,
0.5485

 42.0869, 0.3648,
0.5485


354.8430, 0.3497,
0.4361


 29.1693, 0.3634,
0.5742


 78.3311, 0.3629,
0.5087


 19.2090, 0.3582,
0.6046


 102.4266, 0.3610,
0.4933

 11.8214, 0.3510,
0.6490


 131.0168, 0.3590,
0.4801

 6.6222, 0.3209,
0.6791

 164.4862, 0.3570,
0.4688

 3.2269, 0.2747,
0.7253

 203.2191, 0.3550,
0.4590

 1.2513, 0.0900,
0.9100

 247.5999, 0.3531,

 0.1030, 0.0000,

0.4504

1.0000

298.0131, 0.3513,
0.4428

■ 0.0000, 0.0000,
0.0000

■ 42.0869, 0.3648,
0.5485

■ 42.0869, 0.3648,
0.5485

■ 42.0841, 0.3648,
0.5486

■ 42.6299, 0.3679,
0.5395

■ 43.2461, 0.3689,
0.5263

■ 43.9544, 0.3675,
0.5083

■ 44.7637, 0.3637,
0.4862

■ 45.6817, 0.3577,
0.4612

■ 46.7149, 0.3501,
0.4343

■ 47.8696, 0.3414,
0.4068

■ 49.1513, 0.3319,
0.3796

■ 50.5652, 0.3223,
0.3534

Harmonies

Analogous

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



42.0869, 0.4622, 0.4896



42.0869, 0.3648, 0.5485



42.0869, 0.2606, 0.5198

Triad

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



42.0869, 0.3648, 0.5485



42.0869, 0.1295, 0.1921



42.0869, 0.4549, 0.2633

Complementary

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



42.0869, 0.3648, 0.5485



4.7316, 0.1719, 0.0721

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.



42.0869, 0.3324, 0.2065



42.0869, 0.3648, 0.5485



42.0869, 0.1590, 0.1661

Square

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



42.0869, 0.3648, 0.5485



42.0869, 0.1333, 0.2637



42.0869, 0.2255, 0.1725



42.0869, 0.5325, 0.3326

Rectangle

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



42.0869, 0.3648, 0.5485



42.0869, 0.2001, 0.4394



42.0869, 0.2255, 0.1725



42.0869, 0.4158, 0.2424

Sweetspot

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



42.0888, 0.3648, 0.5485



85.6086, 0.3419, 0.4084



14.0452, 0.5963, 0.3646



18.6002, 0.3457, 0.4201



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



42.0888, 0.3648, 0.5485



75.2345, 0.3639, 0.5492



37.6821, 0.3068, 0.5945



10.9660, 0.3217, 0.3520



27.7004, 0.3655, 0.5480



1.1184, 0.3788, 0.5374

Inverse Universe

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



4.7316, 0.1719, 0.0721



8.3473, 0.1704, 0.0713



10.5219, 0.2707, 0.1265



9.3670, 0.3032, 0.3056



3.1429, 0.1731, 0.0727



0.1589, 0.2012, 0.0882

Previews

White Background



This preview shows how the Yxy color 42.0869, 0.3648, 0.5485 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 42.0869, 0.3648, 0.5485 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 42.0869, 0.3648, 0.5485

Background



This preview shows how black text looks on a background with the Yxy color 42.0869, 0.3648, 0.5485.



This preview shows how white text looks on a background with the Yxy color 42.0869, 0.3648, 0.5485.

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

42.0869, 0.3648, 0.5485

Protanopia

41.4892, 0.4407, 0.4883

Deuteranopia

41.5837, 0.4643, 0.4542



Tritanopia

42.1306, 0.2792, 0.3095

Trichromacy



Original Color

42.0869, 0.3648, 0.5485

Protanomaly

41.4132, 0.4116, 0.5114

Deuteranomaly

40.7731, 0.4276, 0.4905

Tritanomaly

41.1118, 0.3257, 0.4214

Monochromacy



Original Color

42.0869, 0.3648, 0.5485

Achromatopsia

30.9469, 0.3127, 0.3290

Achromatomaly

34.0463, 0.3516, 0.4393

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.0869, 0.3648, 0.5485 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(131, 191, 0)` looks like.

```
.text, #text, p{  
    color:rgb(131, 191, 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(131, 191, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 191, 0) }
```

Border

The CSS property to change the border of an element to Yxy 42.0869, 0.3648, 0.5485 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(131, 191, 0) }
```

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

```
.border{ border-color:rgb(131, 191, 0) }
```

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

Here you see how a box with a 4 pixel rgb(131, 191, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 191, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 191, 0);  
box-shadow:4px 4px 4px 4px rgb(131, 191,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 42.0869, 0.3648, 0.5485 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 191, 0) }
```

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

```
.background{ background-color: rgb(131,  
191, 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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