

Converting Colors

$Y_{xy}(46.6021, 0.3699, 0.5445)$

Have a look what the booklet for
Yxy(46.6021, 0.3699, 0.5445)
contains.

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Color

Yxy(46.6865, 0.3702, 0.5443)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | 8FC700 |
| RGB | 143, 199, 0 |
| RGB Percent | 56%, 78%, 0% |
| CMY | 0.4391, 0.2196, 1.0000 |
| CMYK | 0.28, 0.00, 1.00, 0.22 |
| HSL | 77°, 100%, 39% |
| HSV | 77°, 100%, 78% |
| XYZ | 31.7533, 46.6865, 7.3336 |
| YIQ | 159.5700, 30.5030, -73.7610 |

Conversions

Conversions Part 2

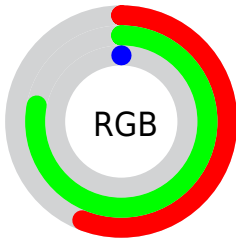
| Format | Color |
|-------------------------------------|---------------------------------|
| RYB | 0, 199, 56 |
| Decimal | 9422592 |
| CIELab | 73.99, -40.94, 73.78 |
| CIELCh | 74, 84.379, 119.028 |
| Yxy | 46.6865, 0.3702, 0.5443 |
| Android (android.graphics.Color) | 4287612672 (0xFF8FC700) |
| YUV | 159.5700, -78.6680, -14.5319 |
| Hunter-Lab | 68.3275, -36.6202, 41.4656 |

Details

The Yxy color **46.6865, 0.3702, 0.5443** is a dark color, and the websafe version is hex **99CC00**. The color can be described as dark washed chartreuse. A complement of this color would be **4.9637, 0.1675, 0.0697**, and the grayscale version is **35.3072, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.5467, 0.3675, 0.5063**, and **22.2292, 0.3513, 0.5593** is the 20% darker color. If you saturate the color by 10%, you get **46.6888, 0.3702, 0.5443**, and if you desaturate by 10%, it is **47.2513, 0.3728, 0.5359**.

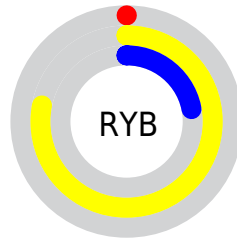
Distribution



Red (56%)

Green (78%)

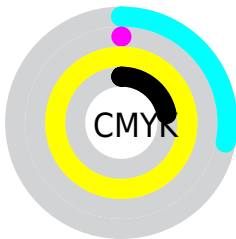
Blue (0%)



Red (0%)

Yellow (78%)

Blue (22%)

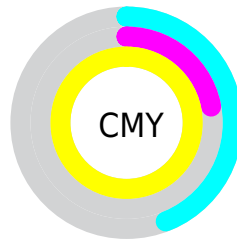


Cyan (28%)

Magenta (0%)

Yellow (100%)

Black (22%)



Cyan (44%)


Magenta (22%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.6865, 0.3702, 0.5443 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 46.6865, 0.3702, 0.5443 by changing the saturation by 10% instead.


 46.6865, 0.3702,
0.5443

 46.6865, 0.3702,
0.5443


373.5618, 0.3527,
0.4367


 32.7879, 0.3696,
0.5682


 85.2455, 0.3674,
0.5068

 21.9640, 0.3658,
0.5961


 110.6746, 0.3652,
0.4921


 13.8305, 0.3593,
0.6341


 140.7161, 0.3629,
0.4795

 8.0028, 0.3356,
0.6644

 175.7543, 0.3607,
0.4685

 4.0968, 0.2964,
0.7036

 216.1735, 0.3585,
0.4590

 1.7278, 0.2147,
0.7853

 262.3582, 0.3565,

 0.4416, 0.0000,

0.4506

1.0000

314.6929, 0.3545,
0.4433

■ 0.0000, 0.0000,
0.0000

■ 46.6865, 0.3702,
0.5443

■ 46.6865, 0.3702,
0.5443

■ 46.6888, 0.3702,
0.5443

■ 47.2513, 0.3728,
0.5359

■ 47.8905, 0.3735,
0.5234

■ 48.6249, 0.3716,
0.5062

■ 49.4643, 0.3672,
0.4849

■ 50.4169, 0.3607,
0.4605

■ 51.4901, 0.3525,
0.4341

■ 52.6905, 0.3432,
0.4069

■ 54.0241, 0.3332,
0.3798

■ 55.4965, 0.3229,
0.3537

Harmonies

Analogous

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



46.6865, 0.4655, 0.4844



46.6865, 0.3702, 0.5443



46.6865, 0.2667, 0.5213

Triad

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



46.6865, 0.3702, 0.5443



46.6865, 0.1306, 0.1961



46.6865, 0.4473, 0.2608

Complementary

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



46.6865, 0.3702, 0.5443



4.9637, 0.1675, 0.0697

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.



46.6865, 0.3260, 0.2053



46.6865, 0.3702, 0.5443



46.6865, 0.1581, 0.1682

Square

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



46.6865, 0.3702, 0.5443



46.6865, 0.1363, 0.2700



46.6865, 0.2221, 0.1729



46.6865, 0.5277, 0.3293

Rectangle

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



46.6865, 0.3702, 0.5443



46.6865, 0.2058, 0.4451



46.6865, 0.2221, 0.1729



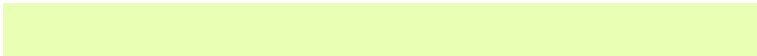
46.6865, 0.4082, 0.2403

Sweetspot

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



46.6888, 0.3702, 0.5443



92.1591, 0.3436, 0.4081



14.6946, 0.6048, 0.3580



19.5283, 0.3477, 0.4197



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.



46.6888, 0.3702, 0.5443



81.6202, 0.3695, 0.5448



41.4382, 0.3087, 0.5931



12.2613, 0.3223, 0.3521



30.0676, 0.3709, 0.5437



1.4588, 0.3814, 0.5354

Inverse Universe

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



4.9637, 0.1675, 0.0697



8.5874, 0.1663, 0.0690



10.8538, 0.2622, 0.1218



10.4295, 0.3026, 0.3054



3.2302, 0.1687, 0.0703



0.1904, 0.1921, 0.0832

Previews

White Background



This preview shows how the Yxy color 46.6865, 0.3702, 0.5443 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 46.6865, 0.3702, 0.5443 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

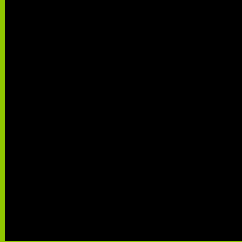
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 46.6865, 0.3702, 0.5443

Background



This preview shows how black text looks on a background with the Yxy color 46.6865, 0.3702, 0.5443.



This preview shows how white text looks on a background with the Yxy color 46.6865, 0.3702, 0.5443.

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

46.6865, 0.3702, 0.5443

Protanopia

46.2933, 0.4398, 0.4890

Deuteranopia

46.1326, 0.4644, 0.4550



Tritanopia

46.5494, 0.2834, 0.3091

Trichromacy



Original Color

46.6865, 0.3702, 0.5443

Protanomaly

45.9115, 0.4138, 0.5097

Deuteranomaly

45.3922, 0.4300, 0.4890

Tritanomaly

45.3278, 0.3310, 0.4196

Monochromacy



Original Color

46.6865, 0.3702, 0.5443

Achromatopsia

35.1533, 0.3127, 0.3290

Achromatomaly

38.1014, 0.3537, 0.4366

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.6865, 0.3702, 0.5443 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(143, 199, 0)` looks like.

```
.text, #text, p{  
    color:rgb(143, 199, 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(143, 199, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 199, 0) }
```

Border

The CSS property to change the border of an element to Yxy 46.6865, 0.3702, 0.5443 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(143, 199, 0) }
```

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

```
.border{ border-color:rgb(143, 199, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(143, 199, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(143, 199, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(143, 199, 0);  
box-shadow:4px 4px 4px 4px rgb(143, 199,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 46.6865, 0.3702, 0.5443 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 199, 0) }
```

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

```
.background{ background-color: rgb(143,  
199, 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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