

Converting Colors

$Y_{xy}(46.2952, 0.3612, 0.5514)$

Have a look what the booklet for
Yxy(46.2952, 0.3612, 0.5514)
contains.

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Color

Yxy(46.2951, 0.3612, 0.5514)

Conversions

Conversions Part 1

Format	Color
Hex	85C800
RGB	133, 200, 0
RGB Percent	52%, 78%, 0%
CMY	0.4785, 0.2157, 0.9998
CMYK	0.34, 0.00, 1.00, 0.22
HSL	80°, 100%, 39%
HSV	80°, 100%, 78%
XYZ	30.3261, 46.2951, 7.3380
YIQ	157.1670, 24.2680, -76.4040

Conversions

Conversions Part 2

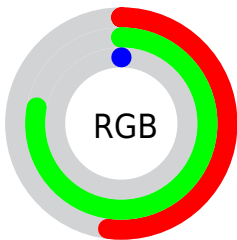
Format	Color
RYB	0, 200, 67
Decimal	8767488
CIELab	73.74, -45.13, 73.33
CIELCh	74, 86.106, 121.613
Yxy	46.2951, 0.3612, 0.5514
Android (android.graphics.Color)	4286957568 (0xFF85C800)
YUV	157.1670, -77.4833, -21.1945
Hunter-Lab	68.0405, -39.5124, 41.2340

Details

The Yxy color **46.2951, 0.3612, 0.5514** 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 **5.3667, 0.1743, 0.0734**, and the grayscale version is **34.1461, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.2056, 0.3607, 0.5107**, and **22.0536, 0.3397, 0.5684** is the 20% darker color. If you saturate the color by 10%, you get **46.2959, 0.3612, 0.5514**, and if you desaturate by 10%, it is **46.9108, 0.3646, 0.5422**.

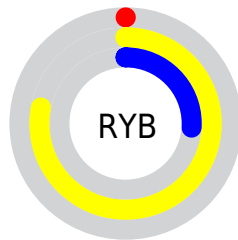
Distribution



Red (52%)

Green (78%)

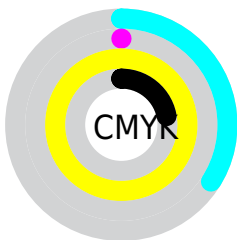
Blue (0%)



Red (0%)

Yellow (78%)

Blue (26%)

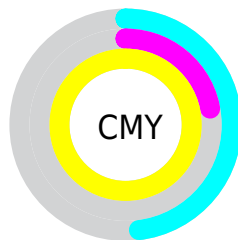


Cyan (34%)

Magenta (0%)

Yellow (100%)

Black (22%)



Cyan (48%)


Magenta (22%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.2951, 0.3612, 0.5514 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 46.2951, 0.3612, 0.5514 by changing the saturation by 10% instead.

 46.2951, 0.3612,
0.5514


 46.2951, 0.3612,
0.5514


 371.9938, 0.3485,
0.4389


 32.4788, 0.3594,
0.5768


 84.6605, 0.3601,
0.5119


 21.7274, 0.3540,
0.6068


 109.9783, 0.3586,
0.4965

 13.6568, 0.3453,
0.6478


 139.8987, 0.3569,
0.4833

 7.8823, 0.3186,
0.6814

 174.8061, 0.3551,
0.4719

 4.0197, 0.2752,
0.7248

 215.0850, 0.3533,
0.4620

 1.6846, 0.1694,
0.8306

 261.1196, 0.3516,

 0.4137, 0.0000,

0.4534

1.0000

313.2944, 0.3500,
0.4457

■ 0.0000, 0.0000,
0.0000

■ 46.2951, 0.3612,
0.5514

■ 46.2951, 0.3612,
0.5514

■ 46.2959, 0.3612,
0.5514

■ 46.9108, 0.3646,
0.5422

■ 47.6122, 0.3661,
0.5288

■ 48.4200, 0.3651,
0.5105

■ 49.3444, 0.3616,
0.4881

■ 50.3940, 0.3561,
0.4626

■ 51.5765, 0.3489,
0.4354

■ 52.8988, 0.3405,
0.4075

■ 54.3672, 0.3314,
0.3801

■ 55.9877, 0.3220,
0.3537

Harmonies

Analogous

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



46.2951, 0.4600, 0.4931



46.2951, 0.3612, 0.5514



46.2951, 0.2565, 0.5189

Triad

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



46.2951, 0.3612, 0.5514



46.2951, 0.1287, 0.1894



46.2951, 0.4600, 0.2649

Complementary

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



46.2951, 0.3612, 0.5514



5.3667, 0.1743, 0.0734

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.



46.2951, 0.3367, 0.2072



46.2951, 0.3612, 0.5514



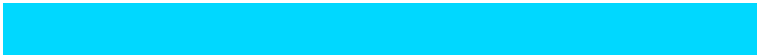
46.2951, 0.1595, 0.1647

Square

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



46.2951, 0.3612, 0.5514



46.2951, 0.1313, 0.2596



46.2951, 0.2278, 0.1721



46.2951, 0.5357, 0.3348

Rectangle

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



46.2951, 0.3612, 0.5514



46.2951, 0.1963, 0.4357



46.2951, 0.2278, 0.1721



46.2951, 0.4209, 0.2437

Sweetspot

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



46.2971, 0.3612, 0.5514



91.4720, 0.3409, 0.4088



16.2586, 0.5886, 0.3708



19.3638, 0.3446, 0.4207



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.



46.2971, 0.3612, 0.5514



80.0147, 0.3604, 0.5520



41.6409, 0.3049, 0.5961



12.2321, 0.3215, 0.3522



29.4854, 0.3620, 0.5508



1.4346, 0.3742, 0.5411

Inverse Universe

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



5.3667, 0.1743, 0.0734



9.1730, 0.1730, 0.0727



12.3518, 0.2789, 0.1310



10.4573, 0.3034, 0.3055



3.4552, 0.1756, 0.0741



0.2035, 0.1997, 0.0874

Previews

White Background



This preview shows how the Yxy color 46.2951, 0.3612, 0.5514 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 46.2951, 0.3612, 0.5514 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

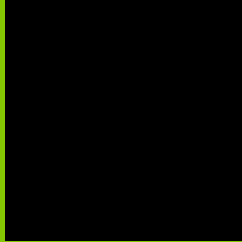
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.2951, 0.3612, 0.5514

Background



This preview shows how black text looks on a background with the Yxy color 46.2951, 0.3612, 0.5514.

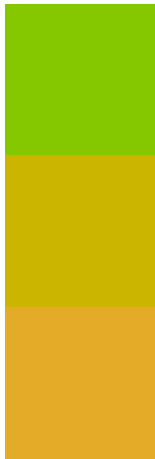


This preview shows how white text looks on a background with the Yxy color 46.2951, 0.3612, 0.5514.

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

46.2951, 0.3612, 0.5514

Protanopia

45.8851, 0.4408, 0.4882

Deuteranopia

45.6032, 0.4639, 0.4539



Tritanopia

46.1072, 0.2762, 0.3088

Trichromacy



Original Color

46.2951, 0.3612, 0.5514

Protanomaly

45.4314, 0.4101, 0.5126

Deuteranomaly

44.8635, 0.4261, 0.4914

Tritanomaly

44.9311, 0.3225, 0.4215

Monochromacy



Original Color

46.2951, 0.3612, 0.5514

Achromatopsia

33.7164, 0.3127, 0.3290

Achromatomaly

37.1031, 0.3497, 0.4405

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.2951, 0.3612, 0.5514 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(133, 200, 0)` looks like.

```
.text, #text, p{  
    color:rgb(133, 200, 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(133, 200, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 200, 0) }
```

Border

The CSS property to change the border of an element to Yxy 46.2951, 0.3612, 0.5514 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(133, 200, 0) }
```

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

```
.border{ border-color:rgb(133, 200, 0) }
```

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

Here you see how a box with a 4 pixel rgb(133, 200, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 200, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 200, 0);  
box-shadow:4px 4px 4px 4px rgb(133, 200,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 46.2951, 0.3612, 0.5514 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 200, 0) }
```

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

```
.background{ background-color: rgb(133,  
200, 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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