

Converting Colors

$Y_{xy}(43.8021, 0.3599, 0.5491)$

Have a look what the booklet for
Yxy(43.8021, 0.3599, 0.5491)
contains.

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Color

Yxy(43.7215, 0.3597, 0.5493)

Conversions

Conversions Part 1

Format	Color
Hex	81C30B
RGB	129, 195, 11
RGB Percent	51%, 76%, 4%
CMY	0.4940, 0.2353, 0.9572
CMYK	0.34, 0.00, 0.94, 0.24
HSL	82°, 89%, 40%
HSV	82°, 94%, 76%
XYZ	28.6303, 43.7215, 7.2431
YIQ	154.2900, 19.7280, -71.2160

Conversions

Conversions Part 2

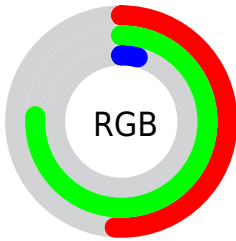
Format	Color
RYB	11, 195, 77
Decimal	8504075
CIELab	72.04, -44.32, 70.76
CIELCh	72, 83.493, 122.061
Yxy	43.7215, 0.3597, 0.5493
Android (android.graphics.Color)	4286694155 (0xFF81C30B)
YUV	154.2900, -70.6420, -22.1793
Hunter-Lab	66.1222, -38.4251, 39.7908

Details

The Yxy color **43.7215, 0.3597, 0.5493** 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 **5.7503, 0.1838, 0.0812**, and the grayscale version is **32.7571, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.8257, 0.3585, 0.5092**, and **20.3893, 0.3386, 0.5694** is the 20% darker color. If you saturate the color by 10%, you get **43.3992, 0.3575, 0.5543**, and if you desaturate by 10%, it is **44.3616, 0.3625, 0.5376**.

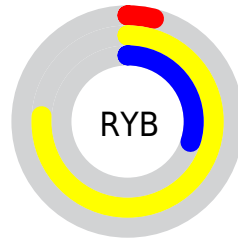
Distribution



Red (51%)

Green (76%)

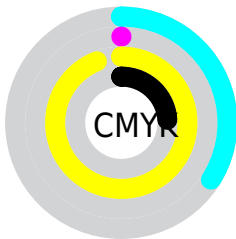
Blue (4%)



Red (4%)

Yellow (76%)

Blue (30%)

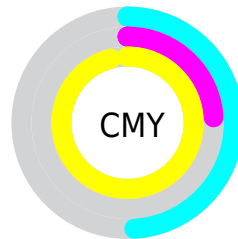


Cyan (34%)

Magenta (0%)

Yellow (94%)

Black (24%)



Cyan (49%)


Magenta (24%)


Yellow (96%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 43.7215, 0.3597, 0.5493 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 43.7215, 0.3597, 0.5493 by changing the saturation by 10% instead.


 43.7215, 0.3597,
0.5493

 43.7215, 0.3597,
0.5493


361.5706, 0.3470,
0.4364


 30.4516, 0.3579,
0.5753


 80.7985, 0.3585,
0.5092


 20.1816, 0.3525,
0.6063

 105.3744, 0.3570,
0.4937

 12.5271, 0.3440,
0.6497


 134.4878, 0.3553,
0.4805

 7.1038, 0.3158,
0.6842

 168.5231, 0.3535,
0.4692

 3.5271, 0.2697,
0.7303

 207.8646, 0.3518,
0.4594

 1.4127, 0.1159,
0.8841

 252.8967, 0.3501,

 0.2261, 0.0000,

0.4507

1.0000

304.0039, 0.3485,
0.4432

■ 0.0000, 0.0000,
0.0000

■ 43.7215, 0.3597,
0.5493

■ 43.7215, 0.3597,
0.5493

■ 43.3992, 0.3575,
0.5543

■ 44.3616, 0.3625,
0.5376

■ 45.0997, 0.3629,
0.5210

■ 45.9483, 0.3609,
0.4998

■ 46.9161, 0.3566,
0.4751

■ 48.0109, 0.3504,
0.4481

■ 49.2395, 0.3429,
0.4201

■ 50.6083, 0.3345,
0.3922

■ 52.1231, 0.3256,
0.3652

■ 53.7893, 0.3166,
0.3397

Harmonies

Analogous

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



43.7215, 0.4577, 0.4932



43.7215, 0.3597, 0.5493



43.7215, 0.2559, 0.5148

Triad

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



43.7215, 0.3597, 0.5493



43.7215, 0.1304, 0.1902



43.7215, 0.4600, 0.2666

Complementary

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



43.7215, 0.3597, 0.5493



5.7503, 0.1838, 0.0812

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.



43.7215, 0.3384, 0.2090



43.7215, 0.3597, 0.5493



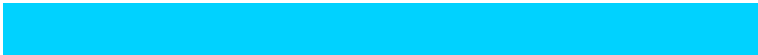
43.7215, 0.1615, 0.1660

Square

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



43.7215, 0.3597, 0.5493



43.7215, 0.1326, 0.2591



43.7215, 0.2300, 0.1737



43.7215, 0.5338, 0.3363

Rectangle

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



43.7215, 0.3597, 0.5493



43.7215, 0.1965, 0.4322



43.7215, 0.2300, 0.1737



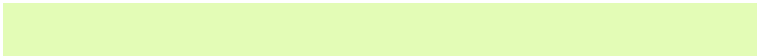
43.7215, 0.4215, 0.2455

Sweetspot

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



43.7234, 0.3597, 0.5493



89.6211, 0.3380, 0.4034



16.7042, 0.5703, 0.3794



19.3930, 0.3416, 0.4157



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.



43.7234, 0.3597, 0.5493



77.5819, 0.3566, 0.5550



39.4769, 0.3056, 0.5916



11.5720, 0.3211, 0.3521



28.2553, 0.3583, 0.5537



1.2584, 0.3722, 0.5427

Inverse Universe

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



5.7503, 0.1838, 0.0812



9.2547, 0.1763, 0.0745



12.4350, 0.2853, 0.1365



9.9197, 0.3038, 0.3056



3.4479, 0.1791, 0.0760



0.1880, 0.2053, 0.0904

Previews

White Background



This preview shows how the Yxy color 43.7215, 0.3597, 0.5493 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 43.7215, 0.3597, 0.5493 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

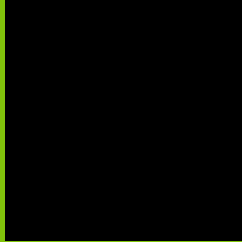
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 43.7215, 0.3597, 0.5493

Background



This preview shows how black text looks on a background with the Yxy color 43.7215, 0.3597, 0.5493.



This preview shows how white text looks on a background with the Yxy color 43.7215, 0.3597, 0.5493.

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

43.7215, 0.3597, 0.5493

Protanopia

43.0564, 0.4404, 0.4885

Deuteranopia

43.1561, 0.4628, 0.4538



Tritanopia

43.4228, 0.2760, 0.3083

Trichromacy



Original Color

43.7215, 0.3597, 0.5493

Protanomaly

42.7600, 0.4094, 0.5120

Deuteranomaly

42.2244, 0.4251, 0.4894

Tritanomaly

42.4536, 0.3192, 0.4147

Monochromacy



Original Color

43.7215, 0.3597, 0.5493

Achromatopsia

32.3143, 0.3127, 0.3290

Achromatomaly

35.3550, 0.3467, 0.4337

CSS Examples

Text

The CSS property to change the color of the text to Yxy 43.7215, 0.3597, 0.5493 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(129, 195, 11)` looks like.

```
.text, #text, p{  
    color:rgb(129, 195, 11)  
}
```

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(129, 195, 11) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 195, 11) }
```

Border

The CSS property to change the border of an element to Yxy 43.7215, 0.3597, 0.5493 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(129, 195, 11) }
```

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

```
.border{ border-color:rgb(129, 195, 11) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 195, 11)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 195, 11); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 195, 11);  
box-shadow:4px 4px 4px 4px rgb(129, 195,  
11) }
```


Background

The CSS property to change the background color of an element to Yxy 43.7215, 0.3597, 0.5493 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 195, 11) }
```

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

```
.background{ background-color: rgb(129,  
195, 11) }
```

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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