

Converting Colors

$Y_{xy}(43.8415, 0.3579, 0.5297)$

Have a look what the booklet for
Yxy(43.8415, 0.3579, 0.5297)
contains.

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Color

Yxy(43.8338, 0.3577, 0.5301)

Conversions

Conversions Part 1

Format	Color
Hex	86C22C
RGB	134, 194, 44
RGB Percent	53%, 76%, 17%
CMY	0.4745, 0.2392, 0.8277
CMYK	0.31, 0.00, 0.77, 0.24
HSL	84°, 63%, 47%
HSV	84°, 77%, 76%
XYZ	29.5781, 43.8338, 9.2778
YIQ	158.9600, 12.3900, -59.3700

Conversions

Conversions Part 2

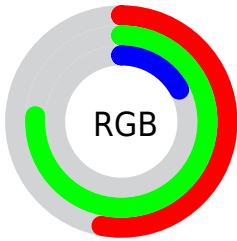
Format	Color
RYB	44, 194, 104
Decimal	8831532
CIELab	72.12, -40.99, 63.92
CIElCh	72, 75.930, 122.670
Yxy	43.8338, 0.3577, 0.5301
Android (android.graphics.Color)	4287021612 (0xFF86C22C)
YUV	158.9600, -56.6753, -21.8899
Hunter-Lab	66.2071, -36.1173, 38.0365

Details

The Yxy color **43.8338, 0.3577, 0.5301** is a dark color, and the websafe version is hex **99CC33**. The color can be described as dark muted chartreuse. A complement of this color would be **8.6307, 0.2127, 0.1124**, and the grayscale version is **34.9104, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.0300, 0.3548, 0.4924**, and **20.3759, 0.3462, 0.5634** is the 20% darker color. If you saturate the color by 10%, you get **43.1084, 0.3560, 0.5460**, and if you desaturate by 10%, it is **44.6780, 0.3570, 0.5093**.

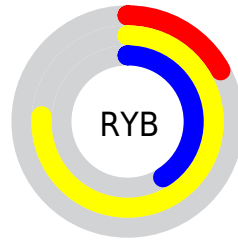
Distribution



Red (53%)

Green (76%)

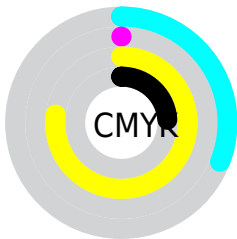
Blue (17%)



Red (17%)

Yellow (76%)

Blue (41%)

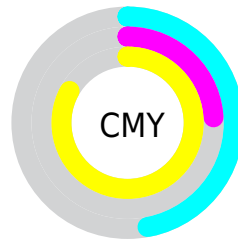


Cyan (31%)

Magenta (0%)

Yellow (77%)

Black (24%)



Cyan (47%)


Magenta (24%)


Yellow (83%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 43.8338, 0.3577, 0.5301 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 43.8338, 0.3577, 0.5301 by changing the saturation by 10% instead.


 43.8338, 0.3577,
0.5301

 43.8338, 0.3577,
0.5301

362.0296, 0.3435,
0.4261

 30.5399, 0.3574,
0.5550


 80.9676, 0.3552,
0.4926


 20.2487, 0.3544,
0.5853

 105.5762, 0.3534,
0.4783


 12.5760, 0.3466,
0.6233


 134.7253, 0.3516,
0.4662

 7.1372, 0.3293,
0.6707

 168.7990, 0.3498,
0.4558

 3.5481, 0.2867,
0.7133

 208.1820, 0.3481,
0.4469

 1.4241, 0.1616,
0.8384

 253.2585, 0.3465,

 0.2344, 0.0000,

0.4391

1.0000

304.4129, 0.3449,
0.4322

■ 0.0000, 0.0000,
0.0000

■ 43.8338, 0.3577,
0.5301

■ 43.8338, 0.3577,
0.5301

■ 43.1084, 0.3560,
0.5460

■ 44.6780, 0.3570,
0.5093

■ 42.4830, 0.3521,
0.5570

■ 45.6444, 0.3540,
0.4847

■ 42.3288, 0.3510,
0.5595

■ 46.7433, 0.3491,
0.4576

■ 47.9818, 0.3426,
0.4292

■ 49.3667, 0.3351,
0.4008

■ 50.9040, 0.3271,
0.3732

■ 52.5995, 0.3188,
0.3470

■ 54.4586, 0.3106,
0.3228

■ 56.4863, 0.3026,
0.3005

Harmonies

Analogous

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



43.8338, 0.4484, 0.4852



43.8338, 0.3577, 0.5301



43.8338, 0.2608, 0.4934

Triad

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



43.8338, 0.3577, 0.5301



43.8338, 0.1427, 0.2004



43.8338, 0.4489, 0.2735

Complementary

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



43.8338, 0.3577, 0.5301



8.6307, 0.2127, 0.1124

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.



43.8338, 0.3392, 0.2185



43.8338, 0.3577, 0.5301



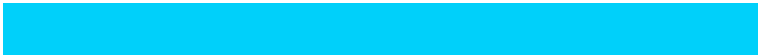
43.8338, 0.1731, 0.1771

Square

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



43.8338, 0.3577, 0.5301



43.8338, 0.1448, 0.2648



43.8338, 0.2387, 0.1847



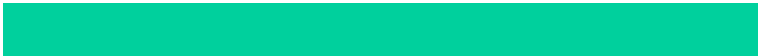
43.8338, 0.5156, 0.3402

Rectangle

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



43.8338, 0.3577, 0.5301



43.8338, 0.2055, 0.4196



43.8338, 0.2387, 0.1847



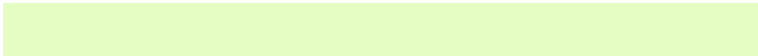
43.8338, 0.4144, 0.2534

Sweetspot

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



43.8357, 0.3577, 0.5301



90.5133, 0.3320, 0.3896



21.0485, 0.5127, 0.3938



19.6033, 0.3349, 0.3999



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.



43.8357, 0.3577, 0.5301



77.2755, 0.3534, 0.5542



39.7728, 0.3083, 0.5651



11.5510, 0.3205, 0.3522



27.8775, 0.3519, 0.5588



1.2437, 0.3669, 0.5469

Inverse Universe

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



8.6307, 0.2127, 0.1124



10.8929, 0.1902, 0.0847



14.9798, 0.2983, 0.1559



9.9401, 0.3044, 0.3056



3.6584, 0.1854, 0.0795



0.1981, 0.2116, 0.0939

Previews

White Background



This preview shows how the Yxy color 43.8338, 0.3577, 0.5301 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 43.8338, 0.3577, 0.5301 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 43.8338, 0.3577, 0.5301

Background



This preview shows how black text looks on a background with the Yxy color 43.8338, 0.3577, 0.5301.



This preview shows how white text looks on a background with the Yxy color 43.8338, 0.3577, 0.5301.

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

43.8338, 0.3577, 0.5301

Protanopia

43.2029, 0.4326, 0.4770

Deuteranopia

43.1386, 0.4544, 0.4450



Tritanopia

43.6633, 0.2789, 0.3097

Trichromacy



Original Color

43.8338, 0.3577, 0.5301

Protanomaly

43.1410, 0.4037, 0.4974

Deuteranomaly

42.5110, 0.4179, 0.4759

Tritanomaly

43.0310, 0.3136, 0.3972

Monochromacy



Original Color

43.8338, 0.3577, 0.5301

Achromatopsia

34.6704, 0.3127, 0.3290

Achromatomaly

37.2734, 0.3385, 0.4131

CSS Examples

Text

The CSS property to change the color of the text to Yxy 43.8338, 0.3577, 0.5301 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(134, 194, 44)` looks like.

```
.text, #text, p{  
    color:rgb(134, 194, 44)  
}
```

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(134, 194, 44) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 194, 44) }
```

Border

The CSS property to change the border of an element to Yxy 43.8338, 0.3577, 0.5301 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(134, 194, 44) }
```

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

```
.border{ border-color:rgb(134, 194, 44) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 194, 44)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 194, 44); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 194, 44);  
box-shadow:4px 4px 4px 4px rgb(134, 194,  
44) }
```


Background

The CSS property to change the background color of an element to Yxy 43.8338, 0.3577, 0.5301 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 194, 44) }
```

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

```
.background{ background-color: rgb(134,  
194, 44) }
```

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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