

Converting Colors

$Y_{xy}(38.4603, 0.3908, 0.5279)$

Have a look what the booklet for
Yxy(38.4603, 0.3908, 0.5279)
contains.

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Color

Yxy(38.6298, 0.3901, 0.5285)

Conversions

Conversions Part 1

Format	Color
Hex	95B300
RGB	149, 179, 0
RGB Percent	58%, 70%, 0%
CMY	0.4157, 0.2980, 1.0000
CMYK	0.17, 0.00, 1.00, 0.30
HSL	70°, 100%, 35%
HSV	70°, 100%, 70%
XYZ	28.5137, 38.6298, 5.9498
YIQ	149.6240, 39.5790, -62.0290

Conversions

Conversions Part 2

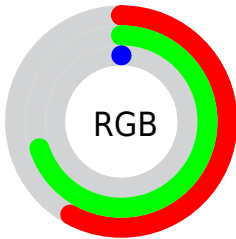
Format	Color
RYB	0, 179, 30
Decimal	9810688
CIELab	68.48, -29.43, 69.76
CIELCh	68, 75.719, 112.874
Yxy	38.6298, 0.3901, 0.5285
Android (android.graphics.Color)	4288000768 (0xFF95B300)
YUV	149.6240, -73.7646, -0.5472
Hunter-Lab	62.1529, -26.8776, 37.8313

Details

The Yxy color **38.6298, 0.3901, 0.5285** is a dark color, and the websafe version is hex **99CC33**. A complement of this color would be **3.5311, 0.1575, 0.0641**, and the grayscale version is **30.6384, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.2321, 0.3829, 0.4935**, and **17.2489, 0.3751, 0.5403** is the 20% darker color. If you saturate the color by 10%, you get **38.6318, 0.3901, 0.5285**, and if you desaturate by 10%, it is **38.9611, 0.3907, 0.5216**.

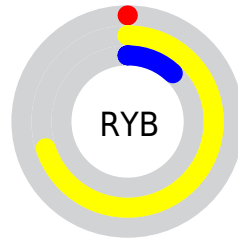
Distribution



Red (58%)

Green (70%)

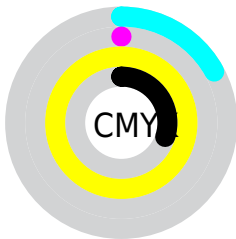
Blue (0%)



Red (0%)

Yellow (70%)

Blue (12%)

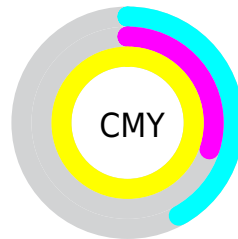


Cyan (17%)

Magenta (0%)

Yellow (100%)

Black (30%)



Cyan (42%)


Magenta (30%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.6298, 0.3901, 0.5285 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 38.6298, 0.3901, 0.5285 by changing the saturation by 10% instead.


 38.6298, 0.3901,
0.5285


 38.6298, 0.3901,
0.5285

340.3140, 0.3609,
0.4280


 26.4719, 0.3922,
0.5507

 73.0724, 0.3829,
0.4935

 17.1770, 0.3914,
0.5762


 96.1259, 0.3791,
0.4797

 10.3607, 0.3888,
0.6112


 123.5800, 0.3755,
0.4679

 5.6388, 0.3657,
0.6343

 155.8192, 0.3720,
0.4577

 2.6267, 0.3290,
0.6710

 193.2278, 0.3689,
0.4488

 0.9401, 0.1562,
0.8438

 236.1902, 0.3660,

 0.0000, 0.0000,

0.4410

0.0000

285.0908, 0.3633,
0.4341

■ 38.6298, 0.3901,
0.5285

■ 38.6298, 0.3901,
0.5285

■ 38.6318, 0.3901,
0.5285

■ 38.9611, 0.3907,
0.5216

■ 39.3371, 0.3892,
0.5111

■ 39.7751, 0.3852,
0.4962

■ 40.2823, 0.3788,
0.4772

■ 40.8649, 0.3703,
0.4550

■ 41.5283, 0.3600,
0.4305

■ 42.2773, 0.3487,
0.4048

■ 43.1166, 0.3368,
0.3788

■ 44.0501, 0.3246,
0.3534

Harmonies

Analogous

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



38.6298, 0.4773, 0.4652



38.6298, 0.3901, 0.5285



38.6298, 0.2899, 0.5253

Triad

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



38.6298, 0.3901, 0.5285



38.6298, 0.1348, 0.2120



38.6298, 0.4190, 0.2511

Complementary

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



38.6298, 0.3901, 0.5285



3.5311, 0.1575, 0.0641

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.



38.6298, 0.3027, 0.2010



38.6298, 0.3901, 0.5285



38.6298, 0.1550, 0.1763

Square

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



38.6298, 0.3901, 0.5285



38.6298, 0.1480, 0.2947



38.6298, 0.2097, 0.1748



38.6298, 0.5087, 0.3163

Rectangle

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



38.6298, 0.3901, 0.5285



38.6298, 0.2274, 0.4650



38.6298, 0.2097, 0.1748



38.6298, 0.3802, 0.2322

Sweetspot

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



38.6318, 0.3901, 0.5285



75.6405, 0.3493, 0.4061



10.5046, 0.6230, 0.3435



16.6308, 0.3541, 0.4169



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



38.6318, 0.3901, 0.5285



69.0985, 0.3896, 0.5289



33.1929, 0.3173, 0.5863



9.8332, 0.3238, 0.3517



27.3215, 0.3904, 0.5282



0.8787, 0.3990, 0.5214

Inverse Universe

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



3.5311, 0.1575, 0.0641



6.2584, 0.1565, 0.0636



7.2007, 0.2385, 0.1088



8.2963, 0.3010, 0.3056



2.5149, 0.1582, 0.0645



0.1000, 0.1818, 0.0775

Previews

White Background



This preview shows how the Yxy color 38.6298, 0.3901, 0.5285 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 38.6298, 0.3901, 0.5285 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 38.6298, 0.3901, 0.5285

Background



This preview shows how black text looks on a background with the Yxy color 38.6298, 0.3901, 0.5285.



This preview shows how white text looks on a background with the Yxy color 38.6298, 0.3901, 0.5285.

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

38.6298, 0.3901, 0.5285

Protanopia

38.3288, 0.4404, 0.4885

Deuteranopia

38.2543, 0.4653, 0.4558



Tritanopia

38.3543, 0.2983, 0.3094

Trichromacy



Original Color

38.6298, 0.3901, 0.5285

Protanomaly

38.1245, 0.4223, 0.5029

Deuteranomaly

38.0143, 0.4384, 0.4830

Tritanomaly

37.6327, 0.3482, 0.4126

Monochromacy



Original Color

38.6298, 0.3901, 0.5285

Achromatopsia

30.4987, 0.3127, 0.3290

Achromatomaly

32.8000, 0.3608, 0.4321

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.6298, 0.3901, 0.5285 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(149, 179, 0)` looks like.

```
.text, #text, p{  
    color:rgb(149, 179, 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(149, 179, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 179, 0) }
```

Border

The CSS property to change the border of an element to Yxy 38.6298, 0.3901, 0.5285 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(149, 179, 0) }
```

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

```
.border{ border-color:rgb(149, 179, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(149, 179, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 179, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 179, 0);  
box-shadow:4px 4px 4px 4px rgb(149, 179,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 38.6298, 0.3901, 0.5285 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 179, 0) }
```

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

```
.background{ background-color: rgb(149,  
179, 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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