

Converting Colors

$Yxy(38.8516, 0.3843, 0.5145)$

Have a look what the booklet for
Yxy(38.8516, 0.3843, 0.5145)
contains.

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Color

Yxy(38.8516, 0.3843, 0.5145)

Conversions

Conversions Part 1

Format	Color
Hex	96B324
RGB	150, 179, 36
RGB Percent	59%, 70%, 14%
CMY	0.4117, 0.2980, 0.8586
CMYK	0.16, 0.00, 0.80, 0.30
HSL	72°, 66%, 42%
HSV	72°, 80%, 70%
XYZ	29.0198, 38.8516, 7.6419
YIQ	154.0270, 28.6190, -50.6210

Conversions

Conversions Part 2

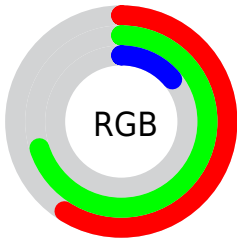
Format	Color
RYB	36, 179, 65
Decimal	9876260
CIELab	68.64, -28.16, 63.44
CIElCh	69, 69.408, 113.936
Yxy	38.8516, 0.3843, 0.5145
Android (android.graphics.Color)	4288066340 (0xFF96B324)
YUV	154.0270, -58.1873, -3.5317
Hunter-Lab	62.3311, -25.9742, 36.3626

Details

The Yxy color **38.8516, 0.3843, 0.5145** is a dark color, and the websafe version is hex **99CC33**. A complement of this color would be **5.6439, 0.1833, 0.0945**, and the grayscale version is **32.5831, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.4902, 0.3763, 0.4813**, and **17.3546, 0.3778, 0.5383** is the 20% darker color. If you saturate the color by 10%, you get **38.4309, 0.3852, 0.5257**, and if you desaturate by 10%, it is **39.3412, 0.3809, 0.4988**.

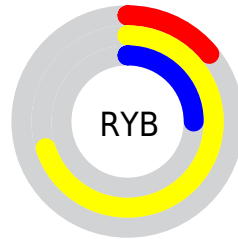
Distribution



Red (59%)

Green (70%)

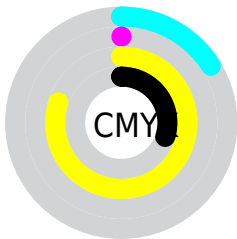
Blue (14%)



Red (14%)

Yellow (70%)

Blue (25%)

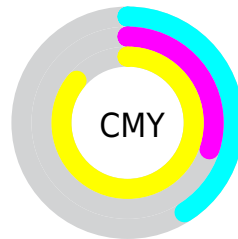


Cyan (16%)

Magenta (0%)

Yellow (80%)

Black (30%)



Cyan (41%)


Magenta (30%)


Yellow (86%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 38.8516, 0.3843, 0.5145 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 38.8516, 0.3843, 0.5145 by changing the saturation by 10% instead.

 38.8516, 0.3843,
0.5145


 38.8516, 0.3843,
0.5145


341.2591, 0.3557,
0.4196


 26.6443, 0.3874,
0.5365


 73.4116, 0.3766,
0.4807


 17.3063, 0.3884,
0.5626


 96.5330, 0.3728,
0.4677


 10.4531, 0.3884,
0.5988

 124.0613, 0.3693,
0.4566

 5.7004, 0.3716,
0.6284

 156.3808, 0.3661,
0.4471

 2.6638, 0.3368,
0.6632

 193.8760, 0.3631,
0.4388

 0.9588, 0.1881,
0.8119

 236.9311, 0.3604,

 0.0000, 0.0000,

0.4316

0.0000

285.9307, 0.3580,
0.4252

■ 38.8516, 0.3843,
0.5145

■ 38.8516, 0.3843,
0.5145

■ 38.4309, 0.3852,
0.5257

■ 39.3412, 0.3809,
0.4988

■ 38.0588, 0.3840,
0.5332

■ 39.9016, 0.3751,
0.4790

■ 38.0538, 0.3840,
0.5333

■ 40.5409, 0.3671,
0.4560

■ 41.2644, 0.3575,
0.4310

■ 42.0771, 0.3468,
0.4049

■ 42.9835, 0.3355,
0.3787

■ 43.9877, 0.3239,
0.3531

■ 45.0937, 0.3126,
0.3287

■ 46.3052, 0.3016,
0.3058

Harmonies

Analogous

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



38.8516, 0.4653, 0.4612



38.8516, 0.3843, 0.5145



38.8516, 0.2905, 0.5044

Triad

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



38.8516, 0.3843, 0.5145



38.8516, 0.1461, 0.2195



38.8516, 0.4141, 0.2591

Complementary

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



38.8516, 0.3843, 0.5145



5.6439, 0.1833, 0.0945

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.



38.8516, 0.3078, 0.2108



38.8516, 0.3843, 0.5145



38.8516, 0.1664, 0.1861

Square

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



38.8516, 0.3843, 0.5145



38.8516, 0.1583, 0.2955



38.8516, 0.2199, 0.1851



38.8516, 0.4944, 0.3216

Rectangle

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



38.8516, 0.3843, 0.5145



38.8516, 0.2324, 0.4481



38.8516, 0.2199, 0.1851



38.8516, 0.3789, 0.2409

Sweetspot

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



38.8534, 0.3843, 0.5145



76.2248, 0.3406, 0.3905



13.4503, 0.5555, 0.3596



16.7625, 0.3446, 0.3998



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.



38.8534, 0.3843, 0.5145



68.3132, 0.3842, 0.5314



34.0266, 0.3228, 0.5588



9.8180, 0.3233, 0.3517



26.9191, 0.3844, 0.5330



0.8691, 0.3947, 0.5248

Inverse Universe

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



5.6439, 0.1833, 0.0945



6.8270, 0.1624, 0.0683



9.7630, 0.2622, 0.1352



8.3104, 0.3015, 0.3057



2.5914, 0.1611, 0.0661



0.1057, 0.1879, 0.0809

Previews

White Background



This preview shows how the Yxy color 38.8516, 0.3843, 0.5145 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 38.8516, 0.3843, 0.5145 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 38.8516, 0.3843, 0.5145

Background



This preview shows how black text looks on a background with the Yxy color 38.8516, 0.3843, 0.5145.



This preview shows how white text looks on a background with the Yxy color 38.8516, 0.3843, 0.5145.

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

38.8516, 0.3843, 0.5145

Protanopia

38.4386, 0.4338, 0.4787

Deuteranopia

38.7031, 0.4577, 0.4486



Tritanopia

38.8252, 0.2992, 0.3109

Trichromacy



Original Color

38.8516, 0.3843, 0.5145

Protanomaly

38.2400, 0.4156, 0.4919

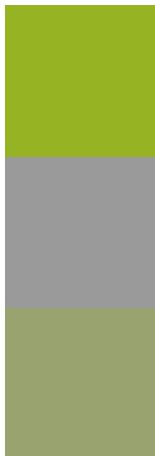
Deuteranomaly

38.1382, 0.4310, 0.4722

Tritanomaly

38.0553, 0.3382, 0.3929

Monochromacy



Original Color

38.8516, 0.3843, 0.5145

Achromatopsia

32.3143, 0.3127, 0.3290

Achromatomaly

34.1144, 0.3493, 0.4095

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.8516, 0.3843, 0.5145 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(150, 179, 36)` looks like.

```
.text, #text, p{  
    color:rgb(150, 179, 36)  
}
```

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(150, 179, 36) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 179, 36) }
```

Border

The CSS property to change the border of an element to Yxy 38.8516, 0.3843, 0.5145 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(150, 179, 36) }
```

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

```
.border{ border-color:rgb(150, 179, 36) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 179, 36)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 179, 36); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 179, 36);  
box-shadow:4px 4px 4px 4px rgb(150, 179,  
36) }
```


Background

The CSS property to change the background color of an element to Yxy 38.8516, 0.3843, 0.5145 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 179, 36) }
```

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

```
.background{ background-color: rgb(150,  
179, 36) }
```

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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