

Converting Colors

$Y_{xy}(38.2767, 0.3758, 0.5398)$

Have a look what the booklet for
Yxy(38.2767, 0.3758, 0.5398)
contains.

Yxy(38.2820, 0.3760, 0.5396)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(38.2820, 0.3760, 0.5396)

Conversions

Conversions Part 1

Format	Color
Hex	88B500
RGB	136, 181, 0
RGB Percent	53%, 71%, 0%
CMY	0.4668, 0.2902, 0.9993
CMYK	0.25, 0.00, 1.00, 0.29
HSL	75°, 100%, 36%
HSV	75°, 100%, 71%
XYZ	26.6754, 38.2820, 5.9878
YIQ	146.9110, 31.2810, -65.8310

Conversions

Conversions Part 2

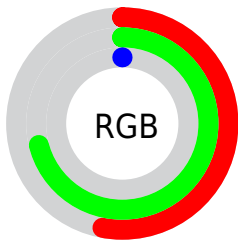
Format	Color
RYB	0, 181, 45
Decimal	8959232
CIELab	68.23, -35.69, 69.16
CIELCh	68, 77.830, 117.294
Yxy	38.2820, 0.3760, 0.5396
Android (android.graphics.Color)	4287149312 (0xFF88B500)
YUV	146.9110, -72.4271, -9.5689
Hunter-Lab	61.8724, -31.3192, 37.5729

Details

The Yxy color **38.2820, 0.3760, 0.5396** is a dark color, and the websafe version is hex **99CC33**. A complement of this color would be **3.9029, 0.1646, 0.0681**, and the grayscale version is **29.4420, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.5878, 0.3721, 0.5010**, and **17.1438, 0.3569, 0.5548** is the 20% darker color. If you saturate the color by 10%, you get **38.2796, 0.3760, 0.5397**, and if you desaturate by 10%, it is **38.7132, 0.3779, 0.5314**.

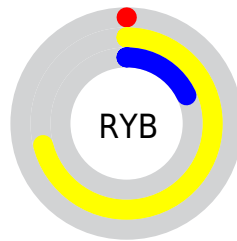
Distribution



Red (53%)

Green (71%)

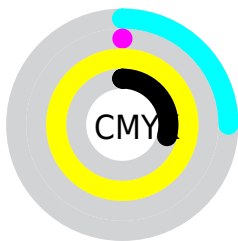
Blue (0%)



Red (0%)

Yellow (71%)

Blue (18%)

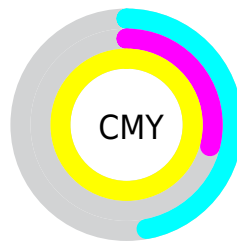


Cyan (25%)

Magenta (0%)

Yellow (100%)

Black (29%)



Cyan (47%)


Magenta (29%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.2820, 0.3760, 0.5396 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 38.2820, 0.3760, 0.5396 by changing the saturation by 10% instead.


 38.2820, 0.3760,
0.5396


 38.2820, 0.3760,
0.5396


338.8281, 0.3543,
0.4314


 26.2016, 0.3761,
0.5643


 72.5402, 0.3717,
0.5013


 16.9745, 0.3726,
0.5932


 95.4867, 0.3689,
0.4864

 10.2163, 0.3664,
0.6336


 122.8242, 0.3661,
0.4738

 5.5426, 0.3379,
0.6621

 154.9369, 0.3634,
0.4629

 2.5690, 0.2928,
0.7072

 192.2092, 0.3609,
0.4534

 0.9111, 0.0000,
1.0000

 235.0256, 0.3585,

 0.0000, 0.0000,

0.4451

0.0000

283.7705, 0.3564,
0.4379

■ 38.2820, 0.3760,
0.5396

■ 38.2820, 0.3760,
0.5396

■ 38.2796, 0.3760,
0.5397

■ 38.7132, 0.3779,
0.5314

■ 39.1997, 0.3779,
0.5193

■ 39.7585, 0.3753,
0.5026

■ 40.3972, 0.3703,
0.4819

■ 41.1222, 0.3632,
0.4581

■ 41.9392, 0.3544,
0.4323

■ 42.8534, 0.3445,
0.4056

■ 43.8695, 0.3340,
0.3790

■ 44.9919, 0.3233,
0.3532

Harmonies

Analogous

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



38.2820, 0.4690, 0.4787



38.2820, 0.3760, 0.5396



38.2820, 0.2735, 0.5225

Triad

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



38.2820, 0.3760, 0.5396



38.2820, 0.1318, 0.2007



38.2820, 0.4390, 0.2581

Complementary

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



38.2820, 0.3760, 0.5396



3.9029, 0.1646, 0.0681

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.



38.2820, 0.3191, 0.2042



38.2820, 0.3760, 0.5396



38.2820, 0.1573, 0.1706

Square

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



38.2820, 0.3760, 0.5396



38.2820, 0.1397, 0.2771



38.2820, 0.2185, 0.1735



38.2820, 0.5222, 0.3256

Rectangle

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



38.2820, 0.3760, 0.5396



38.2820, 0.2120, 0.4509



38.2820, 0.2185, 0.1735



38.2820, 0.3999, 0.2380

Sweetspot

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



38.2837, 0.3760, 0.5396



76.6393, 0.3451, 0.4073



11.5074, 0.6107, 0.3532



16.4141, 0.3493, 0.4183



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.



38.2837, 0.3760, 0.5396



68.4391, 0.3753, 0.5402



33.6894, 0.3115, 0.5908



9.7980, 0.3226, 0.3518



26.4206, 0.3765, 0.5392



0.8568, 0.3891, 0.5292

Inverse Universe

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



3.9029, 0.1646, 0.0681



6.8872, 0.1633, 0.0673



8.3095, 0.2545, 0.1176



8.3290, 0.3022, 0.3057



2.7139, 0.1655, 0.0686



0.1133, 0.1958, 0.0852

Previews

White Background



This preview shows how the Yxy color 38.2820, 0.3760, 0.5396 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 38.2820, 0.3760, 0.5396 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

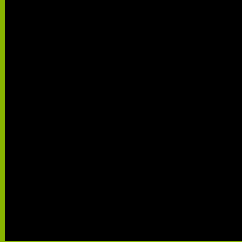
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.2820, 0.3760, 0.5396

Background



This preview shows how black text looks on a background with the Yxy color 38.2820, 0.3760, 0.5396.



This preview shows how white text looks on a background with the Yxy color 38.2820, 0.3760, 0.5396.

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

38.2820, 0.3760, 0.5396

Protanopia

37.8372, 0.4405, 0.4884

Deuteranopia

37.7791, 0.4648, 0.4546



Tritanopia

38.0581, 0.2873, 0.3089

Trichromacy



Original Color

38.2820, 0.3760, 0.5396

Protanomaly

37.4507, 0.4163, 0.5077

Deuteranomaly

37.2717, 0.4322, 0.4872

Tritanomaly

37.2591, 0.3352, 0.4170

Monochromacy



Original Color

38.2820, 0.3760, 0.5396

Achromatopsia

29.1771, 0.3127, 0.3290

Achromatomaly

31.4441, 0.3552, 0.4338

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.2820, 0.3760, 0.5396 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(136, 181, 0)` looks like.

```
.text, #text, p{  
    color:rgb(136, 181, 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(136, 181, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 181, 0) }
```

Border

The CSS property to change the border of an element to Yxy 38.2820, 0.3760, 0.5396 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(136, 181, 0) }
```

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

```
.border{ border-color:rgb(136, 181, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 181, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 181, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 181, 0);  
box-shadow:4px 4px 4px 4px rgb(136, 181,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 38.2820, 0.3760, 0.5396 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 181, 0) }
```

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

```
.background{ background-color: rgb(136,  
181, 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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