

Converting Colors

$Y_{xy}(37.6152, 0.3816, 0.5352)$

Have a look what the booklet for
Yxy(37.6152, 0.3816, 0.5352)
contains.

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Color

Yxy(37.8156, 0.3814, 0.5354)

Conversions

Conversions Part 1

Format	Color
Hex	8CB300
RGB	140, 179, 0
RGB Percent	55%, 70%, 0%
CMY	0.4509, 0.2980, 1.0000
CMYK	0.22, 0.00, 1.00, 0.30
HSL	73°, 100%, 35%
HSV	73°, 100%, 70%
XYZ	26.9385, 37.8156, 5.8765
YIQ	146.9330, 34.2150, -63.9370

Conversions

Conversions Part 2

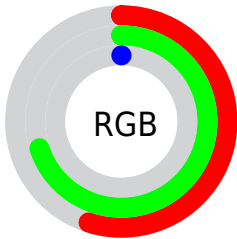
Format	Color
RYB	0, 179, 39
Decimal	9220864
CIELab	67.88, -33.14, 69.05
CIELCh	68, 76.587, 115.637
Yxy	37.8156, 0.3814, 0.5354
Android (android.graphics.Color)	4287410944 (0xFF8CB300)
YUV	146.9330, -72.4380, -6.0802
Hunter-Lab	61.4944, -29.4207, 37.3803

Details

The Yxy color **37.8156, 0.3814, 0.5354** is a dark color, and the websafe version is hex **99CC33**. A complement of this color would be **3.6854, 0.1615, 0.0664**, and the grayscale version is **29.4464, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.9725, 0.3761, 0.4978**, and **16.8065, 0.3635, 0.5496** is the 20% darker color. If you saturate the color by 10%, you get **37.8175, 0.3814, 0.5354**, and if you desaturate by 10%, it is **38.2055, 0.3828, 0.5277**.

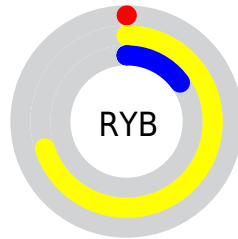
Distribution



Red (55%)

Green (70%)

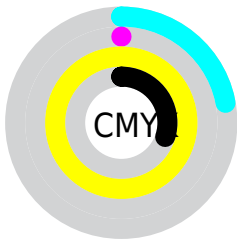
Blue (0%)



Red (0%)

Yellow (70%)

Blue (15%)

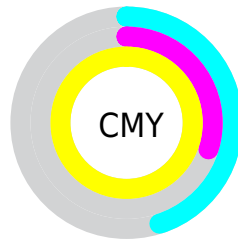


Cyan (22%)

Magenta (0%)

Yellow (100%)

Black (30%)



Cyan (45%)


Magenta (30%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.8156, 0.3814, 0.5354 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 37.8156, 0.3814, 0.5354 by changing the saturation by 10% instead.


 37.8156, 0.3814,
0.5354


 37.8156, 0.3814,
0.5354


336.8283, 0.3567,
0.4299

 25.8396, 0.3823,
0.5592


 71.8254, 0.3760,
0.4982


 16.7037, 0.3798,
0.5870


 94.6280, 0.3728,
0.4837

 10.0235, 0.3746,
0.6254


 121.8083, 0.3696,
0.4713

 5.4145, 0.3478,
0.6522

 153.7506, 0.3667,
0.4607

 2.4925, 0.3052,
0.6948

 190.8394, 0.3639,
0.4514

 0.8729, 0.0232,
0.9768

 233.4590, 0.3613,

 0.0000, 0.0000,

0.4433

0.0000

281.9938, 0.3589,
0.4362

■ 37.8156, 0.3814,
0.5354

■ 37.8156, 0.3814,
0.5354

■ 37.8175, 0.3814,
0.5354

■ 38.2055, 0.3828,
0.5277

■ 38.6451, 0.3822,
0.5162

■ 39.1514, 0.3791,
0.5002

■ 39.7319, 0.3736,
0.4802

■ 40.3928, 0.3659,
0.4570

■ 41.1394, 0.3566,
0.4317

■ 41.9769, 0.3462,
0.4054

■ 42.9096, 0.3351,
0.3791

■ 43.9419, 0.3238,
0.3534

Harmonies

Analogous

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



37.8156, 0.4722, 0.4736



37.8156, 0.3814, 0.5354



37.8156, 0.2797, 0.5238

Triad

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



37.8156, 0.3814, 0.5354



37.8156, 0.1329, 0.2049



37.8156, 0.4314, 0.2555

Complementary

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



37.8156, 0.3814, 0.5354



3.6854, 0.1615, 0.0664

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.



37.8156, 0.3128, 0.2029



37.8156, 0.3814, 0.5354



37.8156, 0.1564, 0.1727

Square

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



37.8156, 0.3814, 0.5354



37.8156, 0.1428, 0.2837



37.8156, 0.2151, 0.1740



37.8156, 0.5172, 0.3221

Rectangle

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



37.8156, 0.3814, 0.5354



37.8156, 0.2178, 0.4564



37.8156, 0.2151, 0.1740



37.8156, 0.3924, 0.2358

Sweetspot

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



37.8175, 0.3814, 0.5354



75.1010, 0.3467, 0.4068



11.0203, 0.6142, 0.3505



16.4964, 0.3512, 0.4178



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.



37.8175, 0.3814, 0.5354



67.6294, 0.3807, 0.5359



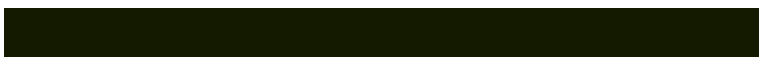
32.9360, 0.3129, 0.5898



9.8115, 0.3231, 0.3517



26.7534, 0.3818, 0.5350



0.8650, 0.3929, 0.5262

Inverse Universe

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



3.6854, 0.1615, 0.0664



6.5204, 0.1604, 0.0657



7.8657, 0.2504, 0.1153



8.3164, 0.3018, 0.3057



2.6284, 0.1624, 0.0668



0.1082, 0.1905, 0.0823

Previews

White Background



This preview shows how the Yxy color 37.8156, 0.3814, 0.5354 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 37.8156, 0.3814, 0.5354 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 37.8156, 0.3814, 0.5354

Background



This preview shows how black text looks on a background with the Yxy color 37.8156, 0.3814, 0.5354.



This preview shows how white text looks on a background with the Yxy color 37.8156, 0.3814, 0.5354.

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

37.8156, 0.3814, 0.5354

Protanopia

37.3494, 0.4407, 0.4883

Deuteranopia

37.2911, 0.4654, 0.4547



Tritanopia

37.5363, 0.2913, 0.3090

Trichromacy



Original Color

37.8156, 0.3814, 0.5354

Protanomaly

37.1845, 0.4183, 0.5061

Deuteranomaly

36.6687, 0.4356, 0.4850

Tritanomaly

36.8477, 0.3404, 0.4149

Monochromacy



Original Color

37.8156, 0.3814, 0.5354

Achromatopsia

29.1771, 0.3127, 0.3290

Achromatomaly

31.5337, 0.3562, 0.4334

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.8156, 0.3814, 0.5354 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(140, 179, 0)` looks like.

```
.text, #text, p{  
    color:rgb(140, 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(140, 179, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 179, 0) }
```

Border

The CSS property to change the border of an element to Yxy 37.8156, 0.3814, 0.5354 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(140, 179, 0) }
```

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

```
.border{ border-color:rgb(140, 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(140, 179, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 179, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 179, 0);  
box-shadow:4px 4px 4px 4px rgb(140, 179,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 37.8156, 0.3814, 0.5354 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 179, 0) }
```

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

```
.background{ background-color: rgb(140,  
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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