

Converting Colors

$Y_{xy}(39.0278, 0.3027, 0.5933)$

Have a look what the booklet for
Yxy(39.0278, 0.3027, 0.5933)
contains.

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Color

Yxy(38.8431, 0.3027, 0.5934)

Conversions

Conversions Part 1

Format	Color
Hex	1BC20C
RGB	27, 194, 12
RGB Percent	11%, 76%, 5%
CMY	0.8933, 0.2392, 0.9528
CMYK	0.86, 0.00, 0.94, 0.24
HSL	115°, 88%, 40%
HSV	115°, 94%, 76%
XYZ	19.8143, 38.8431, 6.8011
YIQ	123.3190, -41.1100, -92.0060

Conversions

Conversions Part 2

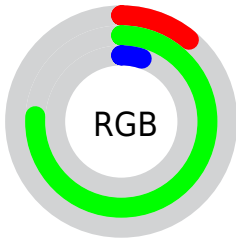
Format	Color
RYB	12, 194, 179
Decimal	1819148
CIELab	68.64, -68.34, 66.57
CIELCh	69, 95.409, 135.753
Yxy	38.8431, 0.3027, 0.5934
Android (android.graphics.Color)	4280009228 (0xFF1BC20C)
YUV	123.3190, -54.8803, -84.4718
Hunter-Lab	62.3242, -52.3182, 37.1569

Details

The Yxy color **38.8431, 0.3027, 0.5934** is a dark color, and the websafe version is hex **33CC00**. The color can be described as dark washed green. A complement of this color would be **13.7196, 0.3013, 0.1455**, and the grayscale version is **20.1360, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.4966, 0.3131, 0.5392**, and **18.4652, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **38.6941, 0.3018, 0.5986**, and if you desaturate by 10%, it is **39.2411, 0.3048, 0.5798**.

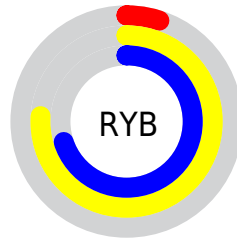
Distribution



Red (11%)

Green (76%)

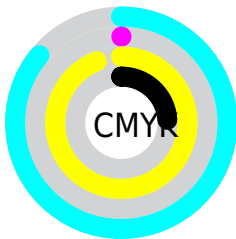
Blue (5%)



Red (5%)

Yellow (76%)

Blue (70%)

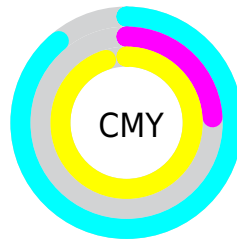


Cyan (86%)

Magenta (0%)

Yellow (94%)

Black (24%)



Cyan (89%)


Magenta (24%)

Yellow (95%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 38.8431, 0.3027, 0.5934 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 38.8431, 0.3027, 0.5934 by changing the saturation by 10% instead.


 38.8431, 0.3027,
0.5934


 38.8431, 0.3027,
0.5934


341.2230, 0.3205,
0.4487

 26.6377, 0.2926,
0.6302


 73.3986, 0.3131,
0.5393


 17.3013, 0.2761,
0.6758


 96.5174, 0.3158,
0.5193


 10.4495, 0.2536,
0.7462


 124.0429, 0.3176,
0.5025

 5.6980, 0.2031,
0.7969

 156.3593, 0.3187,
0.4884

 2.6623, 0.0990,
0.9010

 193.8512, 0.3195,
0.4762

 0.9581, 0.0000,
1.0000

 236.9028, 0.3200,

 0.0000, 0.0000,

0.4658

0.0000

285.8986, 0.3203,
0.4567

■ 38.8431, 0.3027,
0.5934

■ 38.8431, 0.3027,
0.5934

■ 38.6941, 0.3018,
0.5986

■ 39.2411, 0.3048,
0.5798

■ 39.8690, 0.3068,
0.5581

■ 40.7569, 0.3087,
0.5296

■ 41.9293, 0.3103,
0.4966

■ 43.4077, 0.3114,
0.4618

■ 45.2116, 0.3122,
0.4273

■ 47.3588, 0.3126,
0.3947

■ 49.8660, 0.3128,
0.3649

■ 52.7486, 0.3128,
0.3383

Harmonies

Analogous

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



38.8431, 0.4193, 0.5502



38.8431, 0.3027, 0.5934



38.8431, 0.1940, 0.4905

Triad

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



38.8431, 0.3027, 0.5934



38.8431, 0.1193, 0.1532



38.8431, 0.5372, 0.2882

Complementary

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



38.8431, 0.3027, 0.5934



13.7196, 0.3013, 0.1455

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.



38.8431, 0.4091, 0.2186



38.8431, 0.3027, 0.5934



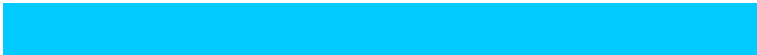
38.8431, 0.1698, 0.1454

Square

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



38.8431, 0.3027, 0.5934



38.8431, 0.1046, 0.2014



38.8431, 0.2672, 0.1680



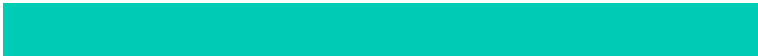
38.8431, 0.5746, 0.3656

Rectangle

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



38.8431, 0.3027, 0.5934



38.8431, 0.1424, 0.3701



38.8431, 0.2672, 0.1680



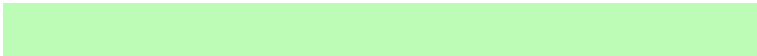
38.8431, 0.5018, 0.2638

Sweetspot

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



38.8447, 0.3027, 0.5934



83.9201, 0.3125, 0.4096



42.4677, 0.4354, 0.4891



18.0141, 0.3123, 0.4241



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.



38.8447, 0.3027, 0.5934



70.0640, 0.3014, 0.5989



39.3135, 0.2794, 0.5212



11.2981, 0.3128, 0.3527



25.4563, 0.3021, 0.5983



1.1139, 0.3098, 0.5922

Inverse Universe

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



13.7196, 0.3013, 0.1455



24.1094, 0.2996, 0.1424



13.1180, 0.4434, 0.2251



10.2034, 0.3125, 0.3062



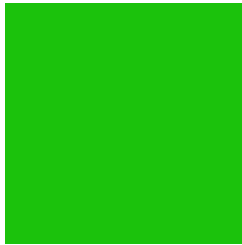
8.7864, 0.3003, 0.1428



0.3925, 0.3052, 0.1455

Previews

White Background



This preview shows how the Yxy color 38.8431, 0.3027, 0.5934 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 38.8431, 0.3027, 0.5934 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 38.8431, 0.3027, 0.5934

Background



This preview shows how black text looks on a background with the Yxy color 38.8431, 0.3027, 0.5934.



This preview shows how white text looks on a background with the Yxy color 38.8431, 0.3027, 0.5934.

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

38.8431, 0.3027, 0.5934

Deuteranopia

37.8437, 0.4608, 0.4496

Tritanopia

38.5139, 0.2376, 0.3059

Trichromacy



Original Color

38.8431, 0.3027, 0.5934



Deuteranomaly

34.6934, 0.3855, 0.5151



Tritanomaly

37.3464, 0.2682, 0.4287

Monochromacy



Original Color

38.8431, 0.3027, 0.5934



Achromatopsia

19.8069, 0.3127, 0.3290



Achromatomaly

24.1941, 0.3110, 0.4607

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.8431, 0.3027, 0.5934 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(27, 194, 12)` looks like.

```
.text, #text, p{  
    color:rgb(27, 194, 12)  
}
```

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(27, 194, 12) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(27, 194, 12) }
```

Border

The CSS property to change the border of an element to Yxy 38.8431, 0.3027, 0.5934 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(27, 194, 12) }
```

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

```
.border{ border-color:rgb(27, 194, 12) }
```

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

Here you see how a box with a 4 pixel rgb(27, 194, 12) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(27, 194, 12); -webkit-box-  
shadow:4px 4px 4px 4px rgb(27, 194, 12);  
box-shadow:4px 4px 4px 4px rgb(27, 194,  
12) }
```

Background

The CSS property to change the background color of an element to Yxy 38.8431, 0.3027, 0.5934 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(27, 194, 12) }
```

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

```
.background{ background-color: rgb(27, 194,  
12) }
```

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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