

Converting Colors

$Y_{xy}(38.7151, 0.3000, 0.5902)$

Have a look what the booklet for
Yxy(38.7151, 0.3000, 0.5902)
contains.

Yxy(38.7799, 0.3000, 0.5903)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(38.7799, 0.3000, 0.5903)

Conversions

Conversions Part 1

Format	Color
Hex	13C216
RGB	19, 194, 22
RGB Percent	7%, 76%, 9%
CMY	0.9246, 0.2392, 0.9136
CMYK	0.90, 0.00, 0.89, 0.24
HSL	121°, 82%, 42%
HSV	121°, 90%, 76%
XYZ	19.7086, 38.7799, 7.2068
YIQ	122.0670, -49.0880, -90.5920

Conversions

Conversions Part 2

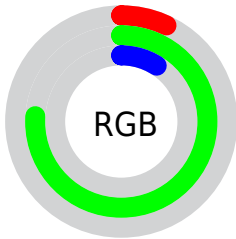
Format	Color
RYB	19, 191, 194
Decimal	1294870
CIELab	68.59, -68.68, 64.95
CIElCh	69, 94.521, 136.599
Yxy	38.7799, 0.3000, 0.5903
Android (android.graphics.Color)	4279484950 (0xFF13C216)
YUV	122.0670, -49.3330, -90.3898
Hunter-Lab	62.2735, -52.4862, 36.7300

Details

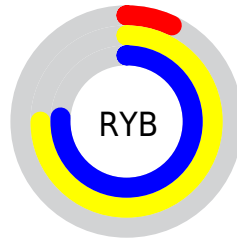
The Yxy color **38.7799, 0.3000, 0.5903** is a dark color, and the websafe version is hex **33CC33**. The color can be described as dark washed green. A complement of this color would be **15.7122, 0.3244, 0.1597**, and the grayscale version is **19.6857, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.3731, 0.3105, 0.5364**, and **18.4652, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **38.5896, 0.2997, 0.5990**, and if you desaturate by 10%, it is **39.1677, 0.3005, 0.5737**.

Distribution



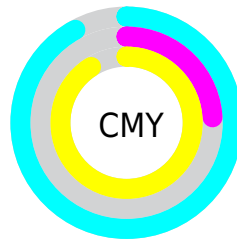
- Red (7%)
- Green (76%)
- Blue (9%)



- Red (7%)
- Yellow (75%)
- Blue (76%)



- Cyan (90%)
- Magenta (0%)
- Yellow (89%)
- Black (24%)




- Cyan (92%)
- Magenta (24%)
- Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.7799, 0.3000, 0.5903 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 38.7799, 0.3000, 0.5903 by changing the saturation by 10% instead.


 38.7799, 0.3000,
0.5903


 38.7799, 0.3000,
0.5903


340.9538, 0.3186,
0.4467


 26.5885, 0.2899,
0.6272

 73.3020, 0.3106,
0.5364


 17.2645, 0.2736,
0.6733

 96.4015, 0.3133,
0.5165


 10.4232, 0.2504,
0.7417


 123.9058, 0.3152,
0.4999

 5.6805, 0.2015,
0.7985

 156.1994, 0.3165,
0.4859

 2.6518, 0.0954,
0.9046

 193.6665, 0.3174,
0.4740

 0.9528, 0.0000,
1.0000

 236.6918, 0.3180,

 0.0000, 0.0000,

0.4636

0.0000

285.6594, 0.3184,
0.4546

■ 38.7799, 0.3000,
0.5903

■ 38.7799, 0.3000,
0.5903

■ 38.5896, 0.2997,
0.5990


■ 39.1677, 0.3005,
0.5737


■ 39.8115, 0.3015,
0.5491

■ 40.7470, 0.3028,
0.5183


■ 42.0036, 0.3045,
0.4839

■ 43.6066, 0.3062,
0.4487

 45.5790, 0.3080,
0.4145

 47.9419, 0.3097,
0.3828

 50.7148, 0.3113,
0.3543

 53.9157, 0.3127,
0.3292

Harmonies

Analogous

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



38.7799, 0.4160, 0.5513



38.7799, 0.3000, 0.5903



38.7799, 0.1924, 0.4841

Triad

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



38.7799, 0.3000, 0.5903



38.7799, 0.1213, 0.1536



38.7799, 0.5378, 0.2908

Complementary

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



38.7799, 0.3000, 0.5903



15.7122, 0.3244, 0.1597

Split Complementary

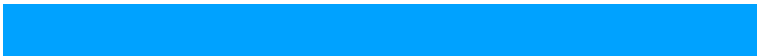
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



38.7799, 0.4126, 0.2211



38.7799, 0.3000, 0.5903



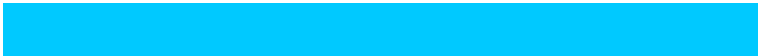
38.7799, 0.1728, 0.1467

Square

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



38.7799, 0.3000, 0.5903



38.7799, 0.1057, 0.2003



38.7799, 0.2712, 0.1700



38.7799, 0.5723, 0.3683

Rectangle

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



38.7799, 0.3000, 0.5903



38.7799, 0.1420, 0.3650



38.7799, 0.2712, 0.1700



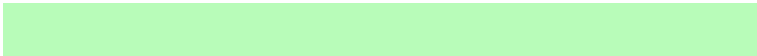
38.7799, 0.5036, 0.2664

Sweetspot

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



38.7815, 0.3000, 0.5903



83.6489, 0.3085, 0.4058



50.0996, 0.4172, 0.5017



18.0140, 0.3078, 0.4172



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.



38.7815, 0.3000, 0.5903



69.9127, 0.2998, 0.5993



39.7768, 0.2698, 0.4834



11.2614, 0.3114, 0.3524



25.3732, 0.2997, 0.5988



1.0972, 0.2984, 0.5943

Inverse Universe

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



15.7122, 0.3244, 0.1597



27.5810, 0.3250, 0.1564



12.9958, 0.4730, 0.2447



10.2446, 0.3140, 0.3067



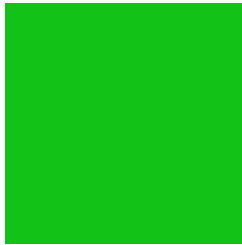
10.0116, 0.3249, 0.1564



0.4335, 0.3240, 0.1558

Previews

White Background



This preview shows how the Yxy color 38.7799, 0.3000, 0.5903 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 38.7799, 0.3000, 0.5903 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 38.7799, 0.3000, 0.5903

Background



This preview shows how black text looks on a background with the Yxy color 38.7799, 0.3000, 0.5903.



This preview shows how white text looks on a background with the Yxy color 38.7799, 0.3000, 0.5903.

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

38.7799, 0.3000, 0.5903

Protanopia

37.8591, 0.4392, 0.4864

Deuteranopia

37.7291, 0.4580, 0.4478



Tritanopia

38.4216, 0.2367, 0.3058

Trichromacy



Original Color

38.7799, 0.3000, 0.5903



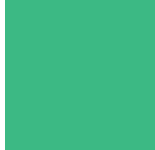
Protanomaly

35.5180, 0.3684, 0.5404



Deuteranomaly

34.3784, 0.3794, 0.5140



Tritanomaly

37.3245, 0.2641, 0.4217

Monochromacy



Original Color

38.7799, 0.3000, 0.5903



Achromatopsia

19.4618, 0.3127, 0.3290



Achromatomaly

23.7830, 0.3059, 0.4543

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.7799, 0.3000, 0.5903 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(19, 194, 22)` looks like.

```
.text, #text, p{  
    color:rgb(19, 194, 22)  
}
```

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(19, 194, 22) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(19, 194, 22) }
```

Border

The CSS property to change the border of an element to Yxy 38.7799, 0.3000, 0.5903 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(19, 194, 22) }
```

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

```
.border{ border-color:rgb(19, 194, 22) }
```

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

Here you see how a box with a 4 pixel `rgb(19, 194, 22)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(19, 194, 22); -webkit-box-  
shadow:4px 4px 4px 4px rgb(19, 194, 22);  
box-shadow:4px 4px 4px 4px rgb(19, 194,  
22) }
```


Background

The CSS property to change the background color of an element to Yxy 38.7799, 0.3000, 0.5903 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(19, 194, 22) }
```

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

```
.background{ background-color: rgb(19, 194,  
22) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor