

Converting Colors

$Y_{xy}(34.2120, 0.2959, 0.5851)$

Have a look what the booklet for
Yxy(34.2120, 0.2959, 0.5851)
contains.

Yxy(34.3799, 0.2958, 0.5849)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(34.3799, 0.2958, 0.5849)

Conversions

Conversions Part 1

Format	Color
Hex	00B81F
RGB	0, 184, 31
RGB Percent	0%, 72%, 12%
CMY	1.0000, 0.2784, 0.8786
CMYK	1.00, 0.00, 0.83, 0.28
HSL	130°, 100%, 36%
HSV	130°, 100%, 72%
XYZ	17.3869, 34.3799, 7.0123
YIQ	111.5420, -60.5510, -86.5910

Conversions

Conversions Part 2

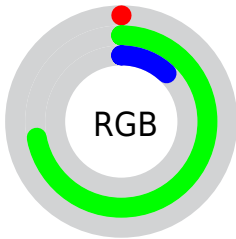
Format	Color
RYB	0, 157, 184
Decimal	47135
CIELab	65.26, -66.44, 59.94
CIELCh	65, 89.481, 137.943
Yxy	34.3799, 0.2958, 0.5849
Android (android.graphics.Color)	4278237215 (0xFF00B81F)
YUV	111.5420, -39.7072, -97.8223
Hunter-Lab	58.6344, -49.6795, 33.9533

Details

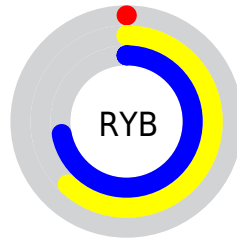
The Yxy color **34.3799, 0.2958, 0.5849** is a dark color, and the websafe version is hex **33CC33**. A complement of this color would be **12.4924, 0.3686, 0.1804**, and the grayscale version is **16.1930, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.3014, 0.3071, 0.5296**, and **15.7005, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **34.3816, 0.2958, 0.5849**, and if you desaturate by 10%, it is **34.6147, 0.2941, 0.5687**.

Distribution



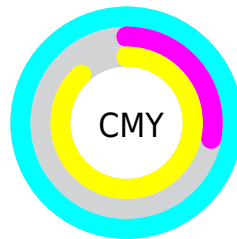
- Red (0%)
- Green (72%)
- Blue (12%)



- Red (0%)
- Yellow (62%)
- Blue (72%)



- Cyan (100%)
- Magenta (0%)
- Yellow (83%)
- Black (28%)





- Cyan (100%)
- Magenta (28%)
- Yellow (88%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.3799, 0.2958, 0.5849 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 34.3799, 0.2958, 0.5849 by changing the saturation by 10% instead.

 34.3799, 0.2958,
0.5849


 34.3799, 0.2958,
0.5849


321.8227, 0.3159,
0.4410


 23.1856, 0.2853,
0.6235


 66.5240, 0.3068,
0.5298


 14.7306, 0.2680,
0.6727


 88.2426, 0.3098,
0.5098

 8.6305, 0.2440,
0.7507


 114.2381, 0.3118,
0.4933

 4.5010, 0.1894,
0.8106

 144.8949, 0.3132,
0.4794

 1.9576, 0.0000,
1.0000

 180.5973, 0.3143,
0.4676

 0.5826, 0.0000,
1.0000

 221.7299, 0.3150,

 0.0000, 0.0000,

0.4575

0.0000

268.6769, 0.3155,
0.4487

■ 34.3799, 0.2958,
0.5849

■ 34.3799, 0.2958,
0.5849

■ 34.3816, 0.2958,
0.5849

■ 34.6147, 0.2941,
0.5687

■ 35.0156, 0.2929,
0.5468

■ 35.6348, 0.2928,
0.5201

■ 36.4988, 0.2939,
0.4904

■ 37.6300, 0.2959,
0.4595

■ 39.0485, 0.2987,
0.4291

■ 40.7722, 0.3020,
0.4003

■ 42.8178, 0.3055,
0.3738

■ 45.2005, 0.3091,
0.3500

Harmonies

Analogous

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



34.3799, 0.4109, 0.5528



34.3799, 0.2958, 0.5849



34.3799, 0.1902, 0.4740

Triad

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



34.3799, 0.2958, 0.5849



34.3799, 0.1245, 0.1544



34.3799, 0.5385, 0.2950

Complementary

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



34.3799, 0.2958, 0.5849



12.4924, 0.3686, 0.1804

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.



34.3799, 0.4178, 0.2252



34.3799, 0.2958, 0.5849



34.3799, 0.1776, 0.1489

Square

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



34.3799, 0.2958, 0.5849



34.3799, 0.1076, 0.1988



34.3799, 0.2774, 0.1733



34.3799, 0.5686, 0.3724

Rectangle

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



34.3799, 0.2958, 0.5849



34.3799, 0.1415, 0.3572



34.3799, 0.2774, 0.1733



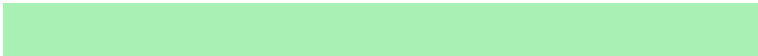
34.3799, 0.5060, 0.2706

Sweetspot

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



34.3816, 0.2958, 0.5849



73.7362, 0.3018, 0.4017



41.0881, 0.3902, 0.5284



15.6019, 0.3004, 0.4135



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



34.3816, 0.2958, 0.5849



62.2991, 0.2963, 0.5868



35.7047, 0.2560, 0.4417



10.0841, 0.3094, 0.3486



23.7015, 0.2954, 0.5833



0.8432, 0.2834, 0.5404

Inverse Universe

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



12.4924, 0.3686, 0.1804



22.6137, 0.3695, 0.1809



10.5315, 0.5640, 0.2881



9.1361, 0.3162, 0.3102



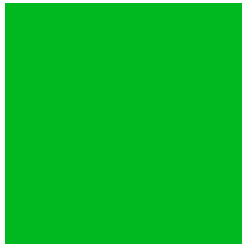
8.6182, 0.3679, 0.1800



0.3108, 0.3539, 0.1723

Previews

White Background



This preview shows how the Yxy color 34.3799, 0.2958, 0.5849 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 34.3799, 0.2958, 0.5849 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 34.3799, 0.2958, 0.5849

Background



This preview shows how black text looks on a background with the Yxy color 34.3799, 0.2958, 0.5849.



This preview shows how white text looks on a background with the Yxy color 34.3799, 0.2958, 0.5849.

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

34.3799, 0.2958, 0.5849

Protanopia

33.8668, 0.4349, 0.4826

Deuteranopia

33.5870, 0.4547, 0.4449



Tritanopia

34.2064, 0.2362, 0.3062

Trichromacy



Original Color

34.3799, 0.2958, 0.5849



Protanomaly

31.2273, 0.3590, 0.5382



Deuteranomaly

30.3678, 0.3690, 0.5141



Tritanomaly

33.2886, 0.2590, 0.4154

Monochromacy



Original Color

34.3799, 0.2958, 0.5849



Achromatopsia

16.2029, 0.3127, 0.3290



Achromatomaly

20.1411, 0.2960, 0.4500

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.3799, 0.2958, 0.5849 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(0, 184, 31)` looks like.

```
.text, #text, p{  
    color:rgb(0, 184, 31)  
}
```

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(0, 184, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 184, 31) }
```

Border

The CSS property to change the border of an element to Yxy 34.3799, 0.2958, 0.5849 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(0, 184, 31) }
```

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

```
.border{ border-color:rgb(0, 184, 31) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 184, 31)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 184, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 184, 31);  
box-shadow:4px 4px 4px 4px rgb(0, 184, 31)  
}
```


Background

The CSS property to change the background color of an element to Yxy 34.3799, 0.2958, 0.5849 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 184, 31) }
```

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

```
.background{ background-color: rgb(0, 184,  
31) }
```

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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