

Converting Colors

$Y_{xy}(33.0935, 0.2989, 0.5959)$

Have a look what the booklet for
Yxy(33.0935, 0.2989, 0.5959)
contains.

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Color

Yxy(33.0719, 0.2989, 0.5961)

Conversions

Conversions Part 1

Format	Color
Hex	00B50B
RGB	0, 181, 11
RGB Percent	0%, 71%, 4%
CMY	1.0000, 0.2902, 0.9569
CMYK	1.00, 0.00, 0.94, 0.29
HSL	124°, 100%, 35%
HSV	124°, 100%, 71%
XYZ	16.5831, 33.0719, 5.8254
YIQ	107.5010, -53.3060, -91.2420

Conversions

Conversions Part 2

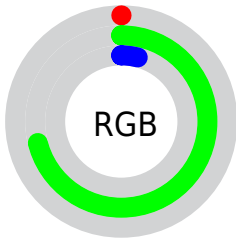
Format	Color
RYB	0, 171, 181
Decimal	46347
CIELab	64.22, -66.38, 62.95
CIELCh	64, 91.481, 136.521
Yxy	33.0719, 0.2989, 0.5961
Android (android.graphics.Color)	4278236427 (0xFF00B50B)
YUV	107.5010, -47.5750, -94.2784
Hunter-Lab	57.5082, -49.1669, 34.2498

Details

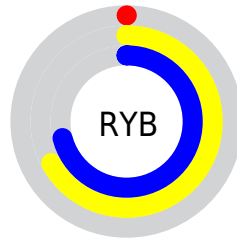
The Yxy color **33.0719, 0.2989, 0.5961** is a dark color, and the websafe version is hex **33CC33**. A complement of this color would be **12.7270, 0.3367, 0.1629**, and the grayscale version is **14.9967, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.3249, 0.3103, 0.5386**, and **14.9217, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **33.0740, 0.2989, 0.5961**, and if you desaturate by 10%, it is **33.2633, 0.2987, 0.5849**.

Distribution



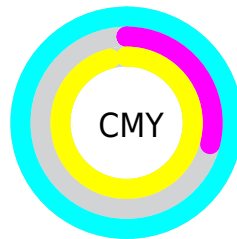
- Red (0%)
- Green (71%)
- Blue (4%)



- Red (0%)
- Yellow (67%)
- Blue (71%)



- Cyan (100%)
- Magenta (0%)
- Yellow (94%)
- Black (29%)





- Cyan (100%)
- Magenta (29%)
- Yellow (96%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.0719, 0.2989, 0.5961 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 33.0719, 0.2989, 0.5961 by changing the saturation by 10% instead.


 33.0719, 0.2989,
0.5961


 33.0719, 0.2989,
0.5961


315.9736, 0.3188,
0.4459


 22.1815, 0.2876,
0.6358


 64.4878, 0.3105,
0.5388

 13.9903, 0.2687,
0.6857


 85.7821, 0.3134,
0.5179

 8.1140, 0.2406,
0.7594


 111.3131, 0.3154,
0.5006

 4.1680, 0.1826,
0.8174

 141.4653, 0.3167,
0.4861

 1.7679, 0.0000,
1.0000

 176.6231, 0.3176,
0.4737

 0.4671, 0.0000,
1.0000

 217.1708, 0.3182,

 0.0000, 0.0000,

0.4631

0.0000

263.4928, 0.3186,
0.4539

■ 33.0719, 0.2989,
0.5961

■ 33.0719, 0.2989,
0.5961

■ 33.0740, 0.2989,
0.5961

■ 33.2633, 0.2987,
0.5849

■ 33.6180, 0.2986,
0.5661

■ 34.1903, 0.2992,
0.5403

■ 35.0076, 0.3004,
0.5095

■ 36.0933, 0.3020,
0.4760

■ 37.4682, 0.3041,
0.4422

■ 39.1509, 0.3063,
0.4098

■ 41.1585, 0.3085,
0.3798

■ 43.5068, 0.3107,
0.3528

Harmonies

Analogous

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



33.0719, 0.4164, 0.5540



33.0719, 0.2989, 0.5961



33.0719, 0.1901, 0.4882

Triad

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



33.0719, 0.2989, 0.5961



33.0719, 0.1187, 0.1511



33.0719, 0.5420, 0.2894

Complementary

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



33.0719, 0.2989, 0.5961



12.7270, 0.3367, 0.1629

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.



33.0719, 0.4140, 0.2192



33.0719, 0.2989, 0.5961



33.0719, 0.1704, 0.1442

Square

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



33.0719, 0.2989, 0.5961



33.0719, 0.1030, 0.1980



33.0719, 0.2699, 0.1677



33.0719, 0.5765, 0.3673

Rectangle

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



33.0719, 0.2989, 0.5961



33.0719, 0.1393, 0.3658



33.0719, 0.2699, 0.1677



33.0719, 0.5070, 0.2649

Sweetspot

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



33.0740, 0.2989, 0.5961



69.9495, 0.3061, 0.4113



41.8154, 0.4106, 0.5121



14.8362, 0.3052, 0.4246



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.



33.0740, 0.2989, 0.5961



59.2203, 0.2992, 0.5971



33.9613, 0.2676, 0.4833



9.4982, 0.3108, 0.3511



22.8028, 0.2987, 0.5952



0.7202, 0.2932, 0.5756

Inverse Universe

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



12.7270, 0.3367, 0.1629



22.7800, 0.3370, 0.1630



10.4253, 0.5167, 0.2620



8.6376, 0.3147, 0.3079



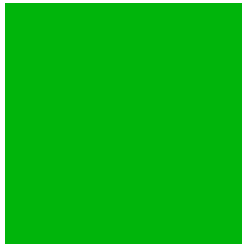
8.7769, 0.3365, 0.1627



0.2788, 0.3317, 0.1601

Previews

White Background



This preview shows how the Yxy color 33.0719, 0.2989, 0.5961 looks on a white background.

Color Contrast Check

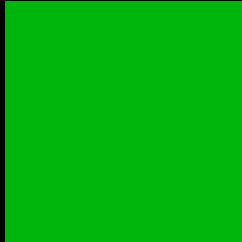
Large Text (above 18pt) WCAG AA × Fail

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 33.0719, 0.2989, 0.5961 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

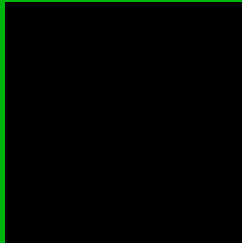
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.0719, 0.2989, 0.5961

Background



This preview shows how black text looks on a background with the Yxy color 33.0719, 0.2989, 0.5961.



This preview shows how white text looks on a background with the Yxy color 33.0719, 0.2989, 0.5961.

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

33.0719, 0.2989, 0.5961

Deuteranopia

32.4900, 0.4587, 0.4507

Tritanopia

32.9192, 0.2363, 0.3059

Trichromacy



Original Color

33.0719, 0.2989, 0.5961



Deuteranomaly

29.0959, 0.3741, 0.5236



Tritanomaly

31.8716, 0.2631, 0.4289

Monochromacy



Original Color

33.0719, 0.2989, 0.5961



Achromatopsia

14.9960, 0.3127, 0.3290



Achromatomaly

19.0742, 0.3025, 0.4683

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.0719, 0.2989, 0.5961 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, 181, 11)` looks like.

```
.text, #text, p{  
    color:rgb(0, 181, 11)  
}
```

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, 181, 11) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 181, 11) }
```

Border

The CSS property to change the border of an element to Yxy 33.0719, 0.2989, 0.5961 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, 181, 11) }
```

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

```
.border{ border-color:rgb(0, 181, 11) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 181, 11)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 181, 11); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 181, 11);  
box-shadow:4px 4px 4px 4px rgb(0, 181, 11)  
}
```

Background

The CSS property to change the background color of an element to Yxy 33.0719, 0.2989, 0.5961 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 181, 11) }
```

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

```
.background{ background-color: rgb(0, 181,  
11) }
```

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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