

Converting Colors

$Y_{xy}(33.3789, 0.3028, 0.5929)$

Have a look what the booklet for
Yxy(33.3789, 0.3028, 0.5929)
contains.

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Color

Yxy(33.2915, 0.3030, 0.5929)

Conversions

Conversions Part 1

Format	Color
Hex	1AB50B
RGB	26, 181, 11
RGB Percent	10%, 71%, 4%
CMY	0.8973, 0.2902, 0.9569
CMYK	0.86, 0.00, 0.94, 0.29
HSL	115°, 89%, 38%
HSV	115°, 94%, 71%
XYZ	17.0135, 33.2915, 5.8452
YIQ	115.2750, -37.8100, -85.7300

Conversions

Conversions Part 2

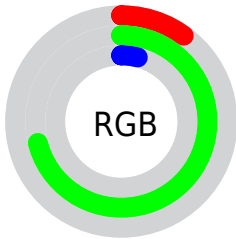
Format	Color
RYB	11, 181, 166
Decimal	1750283
CIELab	64.40, -64.75, 63.17
CIELCh	64, 90.456, 135.708
Yxy	33.2915, 0.3030, 0.5929
Android (android.graphics.Color)	4279940363 (0xFF1AB50B)
YUV	115.2750, -51.4076, -78.2942
Hunter-Lab	57.6988, -48.3389, 34.3827

Details

The Yxy color **33.2915, 0.3030, 0.5929** is a dark color, and the websafe version is hex **33CC33**. A complement of this color would be **11.6630, 0.3000, 0.1449**, and the grayscale version is **17.4168, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.7315, 0.3137, 0.5364**, and **14.9217, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **33.1584, 0.3021, 0.5984**, and if you desaturate by 10%, it is **33.6423, 0.3051, 0.5791**.

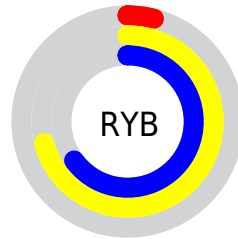
Distribution



Red (10%)

Green (71%)

Blue (4%)



Red (4%)

Yellow (71%)

Blue (65%)

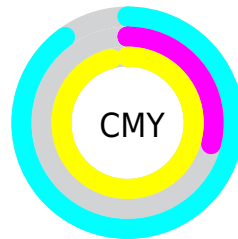


Cyan (86%)

Magenta (0%)

Yellow (94%)

Black (29%)



Cyan (90%)


Magenta (29%)


Yellow (96%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.2915, 0.3030, 0.5929 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 33.2915, 0.3030, 0.5929 by changing the saturation by 10% instead.


 33.2915, 0.3030,
0.5929


 33.2915, 0.3030,
0.5929

316.9612, 0.3207,
0.4450

 22.3498, 0.2923,
0.6318


 64.8304, 0.3137,
0.5367

 14.1142, 0.2743,
0.6806


 86.1964, 0.3163,
0.5161

 8.2001, 0.2474,
0.7526


 111.8059, 0.3180,
0.4990

 4.2233, 0.1907,
0.8093

 142.0435, 0.3191,
0.4847

 1.7992, 0.0000,
1.0000

 177.2934, 0.3198,
0.4725

 0.4867, 0.0000,
1.0000

 217.9400, 0.3203,

 0.0000, 0.0000,

0.4620

0.0000

264.3679, 0.3205,
0.4529

■ 33.2915, 0.3030,
0.5929

■ 33.2915, 0.3030,
0.5929

■ 33.1584, 0.3021,
0.5984

■ 33.6423, 0.3051,
0.5791

■ 34.1878, 0.3073,
0.5572

■ 34.9532, 0.3092,
0.5287

■ 35.9585, 0.3107,
0.4960

■ 37.2218, 0.3118,
0.4614

■ 38.7590, 0.3125,
0.4271

■ 40.5852, 0.3129,
0.3947

■ 42.7140, 0.3129,
0.3651

■ 45.1585, 0.3128,
0.3385

Harmonies

Analogous

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



33.2915, 0.4194, 0.5498



33.2915, 0.3030, 0.5929



33.2915, 0.1943, 0.4904

Triad

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



33.2915, 0.3030, 0.5929



33.2915, 0.1195, 0.1535



33.2915, 0.5367, 0.2882

Complementary

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



33.2915, 0.3030, 0.5929



11.6630, 0.3000, 0.1449

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.



33.2915, 0.4087, 0.2186



33.2915, 0.3030, 0.5929



33.2915, 0.1699, 0.1456

Square

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



33.2915, 0.3030, 0.5929



33.2915, 0.1048, 0.2017



33.2915, 0.2672, 0.1681



33.2915, 0.5742, 0.3656

Rectangle

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



33.2915, 0.3030, 0.5929



33.2915, 0.1428, 0.3703



33.2915, 0.2672, 0.1681



33.2915, 0.5013, 0.2638

Sweetspot

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



33.2929, 0.3030, 0.5929



71.1373, 0.3127, 0.4091



36.3977, 0.4352, 0.4891



15.0827, 0.3126, 0.4231



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.



33.2929, 0.3030, 0.5929



59.3467, 0.3017, 0.5987



33.6824, 0.2793, 0.5206



9.5252, 0.3129, 0.3524



22.8731, 0.3024, 0.5981



0.7315, 0.3122, 0.5903

Inverse Universe

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



11.6630, 0.3000, 0.1449



20.2193, 0.2982, 0.1416



11.2550, 0.4428, 0.2249



8.6074, 0.3124, 0.3065



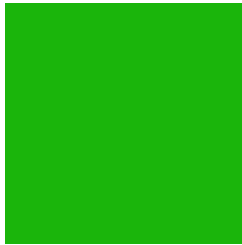
7.8182, 0.2989, 0.1420



0.2572, 0.3054, 0.1456

Previews

White Background



This preview shows how the Yxy color 33.2915, 0.3030, 0.5929 looks on a white background.

Color Contrast Check

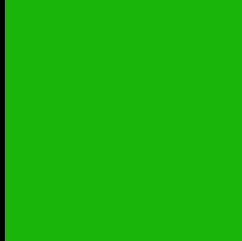
Large Text (above 18pt) WCAG AA × Fail

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 33.2915, 0.3030, 0.5929 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 33.2915, 0.3030, 0.5929

Background



This preview shows how black text looks on a background with the Yxy color 33.2915, 0.3030, 0.5929.



This preview shows how white text looks on a background with the Yxy color 33.2915, 0.3030, 0.5929.

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

33.2915, 0.3030, 0.5929

Protanopia

32.5566, 0.4408, 0.4882

Deuteranopia

32.6227, 0.4597, 0.4500



Tritanopia

33.0449, 0.2377, 0.3060

Trichromacy



Original Color

33.2915, 0.3030, 0.5929



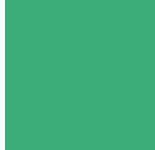
Protanomaly

30.6246, 0.3735, 0.5400



Deuteranomaly

29.9533, 0.3860, 0.5150



Tritanomaly

32.2039, 0.2681, 0.4276

Monochromacy



Original Color

33.2915, 0.3030, 0.5929



Achromatopsia

17.1441, 0.3127, 0.3290



Achromatomaly

20.8401, 0.3123, 0.4603

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.2915, 0.3030, 0.5929 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(26, 181, 11)` looks like.

```
.text, #text, p{  
    color:rgb(26, 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(26, 181, 11) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(26, 181, 11) }
```

Border

The CSS property to change the border of an element to Yxy 33.2915, 0.3030, 0.5929 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(26, 181, 11) }
```

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

```
.border{ border-color:rgb(26, 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(26, 181, 11) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(26, 181, 11); -webkit-box-  
shadow:4px 4px 4px 4px rgb(26, 181, 11);  
box-shadow:4px 4px 4px 4px rgb(26, 181,  
11) }
```


Background

The CSS property to change the background color of an element to Yxy 33.2915, 0.3030, 0.5929 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(26, 181, 11) }
```

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

```
.background{ background-color: rgb(26, 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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