

Converting Colors

$Y_{xy}(33.3948, 0.3060, 0.5952)$

Have a look what the booklet for
Yxy(33.3948, 0.3060, 0.5952)
contains.

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Color

Yxy(33.3711, 0.3059, 0.5953)

Conversions

Conversions Part 1

Format	Color
Hex	21B500
RGB	33, 181, 0
RGB Percent	13%, 71%, 0%
CMY	0.8711, 0.2902, 0.9998
CMYK	0.82, 0.00, 1.00, 0.29
HSL	109°, 100%, 36%
HSV	109°, 100%, 71%
XYZ	17.1480, 33.3711, 5.5385
YIQ	116.1140, -30.1070, -87.6670

Conversions

Conversions Part 2

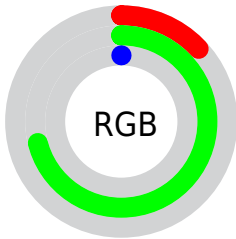
Format	Color
RYB	0, 181, 148
Decimal	2209024
CIELab	64.46, -64.28, 64.62
CIELCh	64, 91.149, 134.850
Yxy	33.3711, 0.3059, 0.5953
Android (android.graphics.Color)	4280399104 (0xFF21B500)
YUV	116.1140, -57.2442, -72.8910
Hunter-Lab	57.7677, -48.1068, 34.7530

Details

The Yxy color **33.3711, 0.3059, 0.5953** is a dark color, and the websafe version is hex **33CC33**. A complement of this color would be **9.6521, 0.2755, 0.1291**, and the grayscale version is **17.6784, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.8590, 0.3165, 0.5393**, and **14.9217, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **33.3717, 0.3059, 0.5953**, and if you desaturate by 10%, it is **33.7162, 0.3092, 0.5843**.

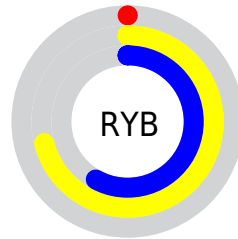
Distribution



Red (13%)

Green (71%)

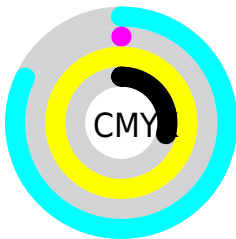
Blue (0%)



Red (0%)

Yellow (71%)

Blue (58%)

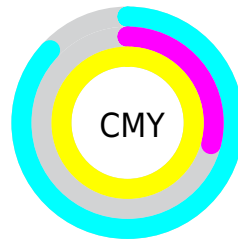


Cyan (82%)

Magenta (0%)

Yellow (100%)

Black (29%)



Cyan (87%)


Magenta (29%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.3711, 0.3059, 0.5953 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 33.3711, 0.3059, 0.5953 by changing the saturation by 10% instead.


 33.3711, 0.3059,
0.5953


 33.3711, 0.3059,
0.5953


317.3186, 0.3225,
0.4466


 22.4109, 0.2952,
0.6340


 64.9545, 0.3164,
0.5390


 14.1591, 0.2772,
0.6822


 86.3464, 0.3189,
0.5184

 8.2314, 0.2494,
0.7506


 111.9844, 0.3204,
0.5012

 4.2434, 0.1931,
0.8069

 142.2528, 0.3214,
0.4867

 1.8106, 0.0000,
1.0000

 177.5360, 0.3220,
0.4744

 0.4938, 0.0000,
1.0000

 218.2185, 0.3223,

 0.0000, 0.0000,

0.4638

0.0000

264.6846, 0.3225,
0.4546

■ 33.3711, 0.3059,
0.5953

■ 33.3711, 0.3059,
0.5953

■ 33.3717, 0.3059,
0.5953

■ 33.7162, 0.3092,
0.5843

■ 34.2207, 0.3124,
0.5667

■ 34.9121, 0.3150,
0.5421

■ 35.8077, 0.3167,
0.5123

■ 36.9222, 0.3175,
0.4794

■ 38.2694, 0.3175,
0.4458

■ 39.8616, 0.3169,
0.4129

■ 41.7104, 0.3158,
0.3822

■ 43.8265, 0.3143,
0.3541

Harmonies

Analogous

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



33.3711, 0.4227, 0.5483



33.3711, 0.3059, 0.5953



33.3711, 0.1962, 0.4966

Triad

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



33.3711, 0.3059, 0.5953



33.3711, 0.1178, 0.1534



33.3711, 0.5355, 0.2857

Complementary

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



33.3711, 0.3059, 0.5953



9.6521, 0.2755, 0.1291

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.



33.3711, 0.4050, 0.2162



33.3711, 0.3059, 0.5953



33.3711, 0.1671, 0.1446

Square

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



33.3711, 0.3059, 0.5953



33.3711, 0.1040, 0.2031



33.3711, 0.2633, 0.1663



33.3711, 0.5760, 0.3630

Rectangle

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



33.3711, 0.3059, 0.5953



33.3711, 0.1435, 0.3755



33.3711, 0.2633, 0.1663



33.3711, 0.4990, 0.2613

Sweetspot

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



33.3725, 0.3059, 0.5953



71.2211, 0.3170, 0.4146



30.9526, 0.4558, 0.4763



15.1283, 0.3173, 0.4281



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.



33.3725, 0.3059, 0.5953



59.6915, 0.3052, 0.5959



33.3506, 0.2876, 0.5552



9.5617, 0.3142, 0.3523



23.0257, 0.3065, 0.5949



0.7467, 0.3239, 0.5810

Inverse Universe

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



9.6521, 0.2755, 0.1291



17.1897, 0.2747, 0.1287



11.2738, 0.4207, 0.2091



8.5673, 0.3110, 0.3064



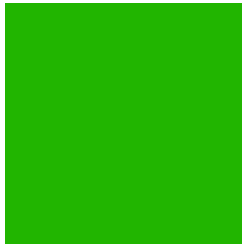
6.6793, 0.2761, 0.1294



0.2304, 0.2893, 0.1368

Previews

White Background



This preview shows how the Yxy color 33.3711, 0.3059, 0.5953 looks on a white background.

Color Contrast Check

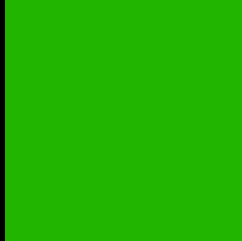
Large Text (above 18pt) WCAG AA × Fail

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 33.3711, 0.3059, 0.5953 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 33.3711, 0.3059, 0.5953

Background



This preview shows how black text looks on a background with the Yxy color 33.3711, 0.3059, 0.5953.



This preview shows how white text looks on a background with the Yxy color 33.3711, 0.3059, 0.5953.

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

33.3711, 0.3059, 0.5953

Protanopia

32.5566, 0.4408, 0.4882

Deuteranopia

32.6160, 0.4601, 0.4506



Tritanopia

33.1320, 0.2387, 0.3060

Trichromacy



Original Color

33.3711, 0.3059, 0.5953



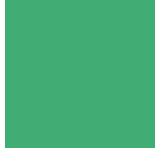
Protanomaly

30.7619, 0.3761, 0.5396



Deuteranomaly

30.1007, 0.3894, 0.5158



Tritanomaly

32.2049, 0.2721, 0.4350

Monochromacy



Original Color

33.3711, 0.3059, 0.5953



Achromatopsia

17.4647, 0.3127, 0.3290



Achromatomaly

21.2290, 0.3177, 0.4666

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.3711, 0.3059, 0.5953 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(33, 181, 0)` looks like.

```
.text, #text, p{  
    color:rgb(33, 181, 0)  
}
```

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(33, 181, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 181, 0) }
```

Border

The CSS property to change the border of an element to Yxy 33.3711, 0.3059, 0.5953 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(33, 181, 0) }
```

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

```
.border{ border-color:rgb(33, 181, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(33, 181, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 181, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 181, 0);  
box-shadow:4px 4px 4px 4px rgb(33, 181, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 33.3711, 0.3059, 0.5953 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 181, 0) }
```

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

```
.background{ background-color: rgb(33, 181,  
0) }
```

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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