

Converting Colors

$Y_{xy}(33.1473, 0.2965, 0.5873)$

Have a look what the booklet for
Yxy(33.1473, 0.2965, 0.5873)
contains.

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Color

Yxy(33.1269, 0.2965, 0.5874)

Conversions

Conversions Part 1

Format	Color
Hex	00B51B
RGB	0, 181, 27
RGB Percent	0%, 71%, 11%
CMY	1.0000, 0.2902, 0.8942
CMYK	1.00, 0.00, 0.85, 0.29
HSL	129°, 100%, 35%
HSV	129°, 100%, 71%
XYZ	16.7214, 33.1269, 6.5476
YIQ	109.3250, -58.4420, -86.2660

Conversions

Conversions Part 2

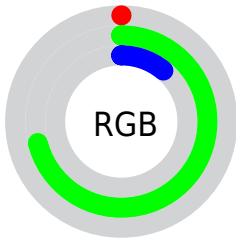
Format	Color
RYB	0, 158, 181
Decimal	46363
CIELab	64.26, -65.80, 60.03
CIELCh	64, 89.067, 137.625
Yxy	33.1269, 0.2965, 0.5874
Android (android.graphics.Color)	4278236443 (0xFF00B51B)
YUV	109.3250, -40.5862, -95.8780
Hunter-Lab	57.5560, -48.8645, 33.5444

Details

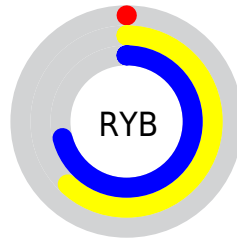
The Yxy color **33.1269, 0.2965, 0.5874** is a dark color, and the websafe version is hex **33CC33**. A complement of this color would be **12.1583, 0.3625, 0.1771**, and the grayscale version is **15.5201, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.4339, 0.3079, 0.5314**, and **14.9217, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **33.1283, 0.2965, 0.5874**, and if you desaturate by 10%, it is **33.3487, 0.2950, 0.5720**.

Distribution



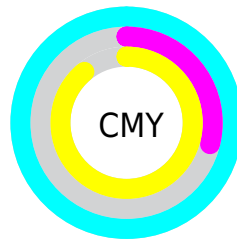
- Red (0%)
- Green (71%)
- Blue (11%)



- Red (0%)
- Yellow (62%)
- Blue (71%)



- Cyan (100%)
- Magenta (0%)
- Yellow (85%)
- Black (29%)





- Cyan (100%)
- Magenta (29%)
- Yellow (89%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 33.1269, 0.2965, 0.5874 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 33.1269, 0.2965, 0.5874 by changing the saturation by 10% instead.


 33.1269, 0.2965,
0.5874


 33.1269, 0.2965,
0.5874


316.2212, 0.3166,
0.4415

 22.2237, 0.2857,
0.6267


 64.5736, 0.3077,
0.5314


 14.0213, 0.2678,
0.6767


 85.8859, 0.3107,
0.5111


 8.1355, 0.2429,
0.7571


 111.4366, 0.3127,
0.4943

 4.1818, 0.1853,
0.8147

 141.6102, 0.3141,
0.4802

 1.7758, 0.0000,
1.0000

 176.7911, 0.3150,
0.4683

 0.4720, 0.0000,
1.0000

 217.3636, 0.3157,

 0.0000, 0.0000,

0.4581

0.0000

263.7122, 0.3162,
0.4492

■ 33.1269, 0.2965,
0.5874

■ 33.1269, 0.2965,
0.5874

■ 33.1283, 0.2965,
0.5874

■ 33.3487, 0.2950,
0.5720

■ 33.7312, 0.2940,
0.5504

■ 34.3254, 0.2940,
0.5237

■ 35.1568, 0.2951,
0.4937

■ 36.2474, 0.2970,
0.4624

■ 37.6166, 0.2997,
0.4313

■ 39.2820, 0.3028,
0.4019

■ 41.2595, 0.3060,
0.3748

■ 43.5642, 0.3094,
0.3505

Harmonies

Analogous

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



33.1269, 0.4121, 0.5531



33.1269, 0.2965, 0.5874



33.1269, 0.1902, 0.4771

Triad

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



33.1269, 0.2965, 0.5874



33.1269, 0.1232, 0.1537



33.1269, 0.5393, 0.2938

Complementary

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



33.1269, 0.2965, 0.5874



12.1583, 0.3625, 0.1771

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.



33.1269, 0.4170, 0.2238



33.1269, 0.2965, 0.5874



33.1269, 0.1760, 0.1479

Square

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



33.1269, 0.2965, 0.5874



33.1269, 0.1066, 0.1986



33.1269, 0.2757, 0.1721



33.1269, 0.5703, 0.3713

Rectangle

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



33.1269, 0.2965, 0.5874



33.1269, 0.1410, 0.3591



33.1269, 0.2757, 0.1721



33.1269, 0.5063, 0.2694

Sweetspot

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



33.1283, 0.2965, 0.5874



70.1875, 0.3026, 0.4033



40.2043, 0.3961, 0.5237



14.8909, 0.3013, 0.4153



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.



33.1283, 0.2965, 0.5874



59.3090, 0.2970, 0.5892



34.2787, 0.2593, 0.4536



9.5100, 0.3096, 0.3489



22.8435, 0.2961, 0.5859



0.7252, 0.2844, 0.5438

Inverse Universe

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



12.1583, 0.3625, 0.1771



21.7475, 0.3633, 0.1775



10.2219, 0.5508, 0.2808



8.6245, 0.3159, 0.3098



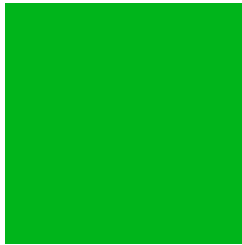
8.3894, 0.3619, 0.1767



0.2699, 0.3488, 0.1695

Previews

White Background



This preview shows how the Yxy color 33.1269, 0.2965, 0.5874 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 33.1269, 0.2965, 0.5874 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 33.1269, 0.2965, 0.5874

Background



This preview shows how black text looks on a background with the Yxy color 33.1269, 0.2965, 0.5874.



This preview shows how white text looks on a background with the Yxy color 33.1269, 0.2965, 0.5874.

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

33.1269, 0.2965, 0.5874

Protanopia

32.4884, 0.4364, 0.4840

Deuteranopia

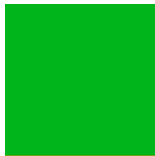
32.5420, 0.4550, 0.4460



Tritanopia

32.9192, 0.2363, 0.3059

Trichromacy



Original Color

33.1269, 0.2965, 0.5874



Protanomaly

29.9884, 0.3602, 0.5407



Deuteranomaly

29.1604, 0.3699, 0.5148



Tritanomaly

32.0219, 0.2594, 0.4168

Monochromacy



Original Color

33.1269, 0.2965, 0.5874



Achromatopsia

15.2926, 0.3127, 0.3290



Achromatomaly

19.1577, 0.2975, 0.4548

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.1269, 0.2965, 0.5874 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, 27)` looks like.

```
.text, #text, p{  
    color:rgb(0, 181, 27)  
}
```

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, 27) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 181, 27) }
```

Border

The CSS property to change the border of an element to Yxy 33.1269, 0.2965, 0.5874 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, 27) }
```

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

```
.border{ border-color:rgb(0, 181, 27) }
```

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, 27)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 181, 27); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 181, 27);  
box-shadow:4px 4px 4px 4px rgb(0, 181, 27)  
}
```


Background

The CSS property to change the background color of an element to Yxy 33.1269, 0.2965, 0.5874 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, 27) }
```

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

```
.background{ background-color: rgb(0, 181,  
27) }
```

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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