

Converting Colors

$Y_{xy}(32.0774, 0.2981, 0.5932)$

Have a look what the booklet for
Yxy(32.0774, 0.2981, 0.5932)
contains.

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Color

Yxy(31.8813, 0.2981, 0.5932)

Conversions

Conversions Part 1

Format	Color
Hex	00B211
RGB	0, 178, 17
RGB Percent	0%, 70%, 7%
CMY	1.0000, 0.3019, 0.9331
CMYK	1.00, 0.00, 0.90, 0.30
HSL	126°, 100%, 35%
HSV	126°, 100%, 70%
XYZ	16.0213, 31.8813, 5.8420
YIQ	106.4240, -54.4070, -87.8070

Conversions

Conversions Part 2

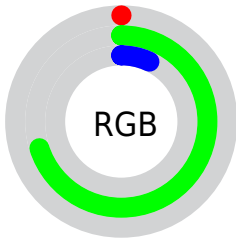
Format	Color
RYB	0, 162, 178
Decimal	45585
CIELab	63.24, -65.37, 61.20
CIELCh	63, 89.545, 136.890
Yxy	31.8813, 0.2981, 0.5932
Android (android.graphics.Color)	4278235665 (0xFF00B211)
YUV	106.4240, -44.0860, -93.3338
Hunter-Lab	56.4635, -48.1626, 33.3900

Details

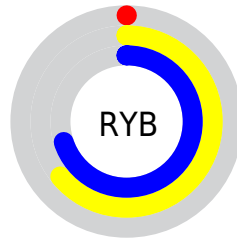
The Yxy color **31.8813, 0.2981, 0.5932** is a dark color, and the websafe version is hex **33CC33**. A complement of this color would be **12.0363, 0.3465, 0.1683**, and the grayscale version is **14.6737, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.5672, 0.3094, 0.5353**, and **14.1659, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **31.8831, 0.2981, 0.5932**, and if you desaturate by 10%, it is **32.0798, 0.2974, 0.5801**.

Distribution



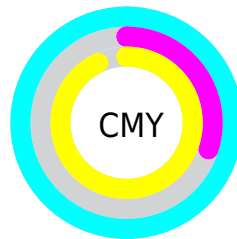
- Red (0%)
- Green (70%)
- Blue (7%)



- Red (0%)
- Yellow (64%)
- Blue (70%)



- Cyan (100%)
- Magenta (0%)
- Yellow (90%)
- Black (30%)





- Cyan (100%)
- Magenta (30%)
- Yellow (93%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 31.8813, 0.2981, 0.5932 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 31.8813, 0.2981, 0.5932 by changing the saturation by 10% instead.


 31.8813, 0.2981,
0.5932


 31.8813, 0.2981,
0.5932

310.5782, 0.3181,
0.4435

 21.2709, 0.2868,
0.6334


 62.6250, 0.3096,
0.5358


 13.3221, 0.2678,
0.6842


 83.5270, 0.3126,
0.5149


 7.6507, 0.2395,
0.7605


 108.6283, 0.3145,
0.4977

 3.8723, 0.1800,
0.8200

 138.3133, 0.3159,
0.4833

 1.6024, 0.0000,
1.0000

 172.9664, 0.3168,
0.4711

 0.3592, 0.0000,
1.0000

 212.9720, 0.3174,

 0.0000, 0.0000,

0.4606

0.0000

258.7144, 0.3178,
0.4515

■ 31.8813, 0.2981,
0.5932

■ 31.8813, 0.2981,
0.5932

■ 31.8831, 0.2981,
0.5932

■ 32.0798, 0.2974,
0.5801

■ 32.4343, 0.2969,
0.5600

■ 32.9959, 0.2972,
0.5337

■ 33.7904, 0.2983,
0.5031

■ 34.8395, 0.3001,
0.4704

■ 36.1625, 0.3023,
0.4377

■ 37.7769, 0.3049,
0.4065

■ 39.6986, 0.3075,
0.3777

■ 41.9425, 0.3102,
0.3519

Harmonies

Analogous

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



31.8813, 0.4150, 0.5538



31.8813, 0.2981, 0.5932



31.8813, 0.1901, 0.4844

Triad

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



31.8813, 0.2981, 0.5932



31.8813, 0.1202, 0.1520



31.8813, 0.5411, 0.2909

Complementary

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



31.8813, 0.2981, 0.5932



12.0363, 0.3465, 0.1683

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.



31.8813, 0.4150, 0.2207



31.8813, 0.2981, 0.5932



31.8813, 0.1723, 0.1455

Square

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



31.8813, 0.2981, 0.5932



31.8813, 0.1042, 0.1982



31.8813, 0.2719, 0.1691



31.8813, 0.5744, 0.3686

Rectangle

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



31.8813, 0.2981, 0.5932



31.8813, 0.1398, 0.3635



31.8813, 0.2719, 0.1691



31.8813, 0.5068, 0.2664

Sweetspot

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



31.8831, 0.2981, 0.5932



68.3372, 0.3047, 0.4081



39.6469, 0.4048, 0.5168



14.8577, 0.3037, 0.4209



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.



31.8831, 0.2981, 0.5932



57.8003, 0.2985, 0.5945



32.8385, 0.2643, 0.4713



9.5029, 0.3103, 0.3502



22.8160, 0.2978, 0.5922



0.7222, 0.2896, 0.5624

Inverse Universe

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



12.0363, 0.3465, 0.1683



21.8071, 0.3470, 0.1685



9.9621, 0.5303, 0.2695



8.6324, 0.3152, 0.3087



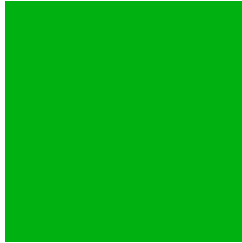
8.6168, 0.3462, 0.1681



0.2752, 0.3384, 0.1638

Previews

White Background



This preview shows how the Yxy color 31.8813, 0.2981, 0.5932 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 31.8813, 0.2981, 0.5932 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

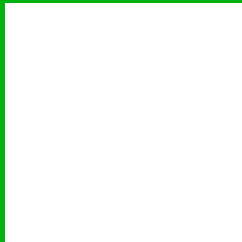
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 31.8813, 0.2981, 0.5932

Background



This preview shows how black text looks on a background with the Yxy color 31.8813, 0.2981, 0.5932.



This preview shows how white text looks on a background with the Yxy color 31.8813, 0.2981, 0.5932.

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

31.8813, 0.2981, 0.5932

Protanopia

31.2271, 0.4412, 0.4879

Deuteranopia

31.1901, 0.4580, 0.4481



Tritanopia

32.0230, 0.2367, 0.3072

Trichromacy



Original Color

31.8813, 0.2981, 0.5932



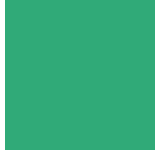
Protanomaly

28.7541, 0.3631, 0.5471



Deuteranomaly

28.0243, 0.3739, 0.5190



Tritanomaly

30.7339, 0.2621, 0.4244

Monochromacy



Original Color

31.8813, 0.2981, 0.5932



Achromatopsia

14.4128, 0.3127, 0.3290



Achromatomaly

18.1902, 0.2998, 0.4622

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.8813, 0.2981, 0.5932 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, 178, 17)` looks like.

```
.text, #text, p{  
    color:rgb(0, 178, 17)  
}
```

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, 178, 17) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 178, 17) }
```

Border

The CSS property to change the border of an element to Yxy 31.8813, 0.2981, 0.5932 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, 178, 17) }
```

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

```
.border{ border-color:rgb(0, 178, 17) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 178, 17)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 178, 17); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 178, 17);  
box-shadow:4px 4px 4px 4px rgb(0, 178, 17)  
}
```


Background

The CSS property to change the background color of an element to Yxy 31.8813, 0.2981, 0.5932 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 178, 17) }
```

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

```
.background{ background-color: rgb(0, 178,  
17) }
```

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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