

Converting Colors

$Y_{xy}(33.0730, 0.3000, 0.6000)$

Have a look what the booklet for
Yxy(33.0730, 0.3000, 0.6000)
contains.

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Color

$\text{Yxy}(33.0477, 0.3000, 0.6000)$

Conversions

Conversions Part 1

Format	Color
Hex	00B500
RGB	0, 181, 0
RGB Percent	0%, 71%, 0%
CMY	1.0000, 0.2902, 0.9999
CMYK	1.00, 0.00, 1.00, 0.29
HSL	120°, 100%, 35%
HSV	120°, 100%, 71%
XYZ	16.5238, 33.0477, 5.5079
YIQ	106.2470, -49.7750, -94.6630

Conversions

Conversions Part 2

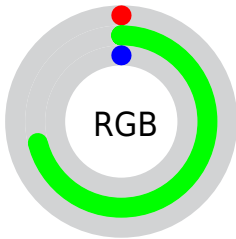
Format	Color
RYB	0, 181, 181
Decimal	46336
CIELab	64.20, -66.63, 64.31
CIELCh	64, 92.601, 136.016
Yxy	33.0477, 0.3000, 0.6000
Android (android.graphics.Color)	4278236416 (0xFF00B500)
YUV	106.2470, -52.3798, -93.1786
Hunter-Lab	57.4871, -49.2952, 34.5603

Details

The Yxy color **33.0477, 0.3000, 0.6000** is a dark color, and the websafe version is hex **33CC33**. A complement of this color would be **13.1597, 0.3209, 0.1542**, and the grayscale version is **14.6427, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.3235, 0.3120, 0.5421**, and **14.9217, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **33.0491, 0.3000, 0.6000**, and if you desaturate by 10%, it is **33.2227, 0.3004, 0.5911**.

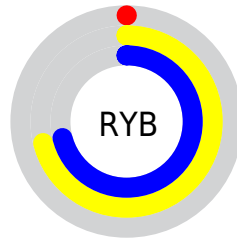
Distribution



Red (0%)

Green (71%)

Blue (0%)



Red (0%)

Yellow (71%)

Blue (71%)

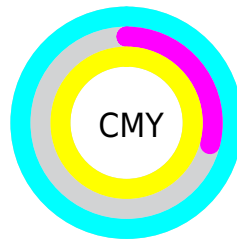


Cyan (100%)

Magenta (0%)

Yellow (100%)

Black (29%)



Cyan (100%)


Magenta (29%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.0477, 0.3000, 0.6000 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 33.0477, 0.3000, 0.6000 by changing the saturation by 10% instead.

 33.0477, 0.3000,
0.6000


 33.0477, 0.3000,
0.6000


315.8646, 0.3199,
0.4479

 22.1630, 0.2884,
0.6399


 64.4500, 0.3117,
0.5422


 13.9767, 0.2692,
0.6898


 85.7364, 0.3147,
0.5211

 8.1045, 0.2396,
0.7604


 111.2587, 0.3167,
0.5035

 4.1619, 0.1814,
0.8186

 141.4015, 0.3179,
0.4887

 1.7645, 0.0000,
1.0000

 176.5491, 0.3188,
0.4762

 0.4649, 0.0000,
1.0000

 217.0859, 0.3194,

 0.0000, 0.0000,


0.4654


0.0000


 263.3963, 0.3197,
0.4561


 33.0477, 0.3000,
0.6000


 33.0477, 0.3000,
0.6000


 33.0491, 0.3000,
0.6000

 33.2227, 0.3004,
0.5911

 33.5564, 0.3012,
0.5749

 34.1110, 0.3023,
0.5504

 34.9155, 0.3038,
0.5196

 35.9948, 0.3054,
0.4852

■ 37.3708, 0.3071,
0.4496

■ 39.0629, 0.3087,
0.4151

■ 41.0892, 0.3102,
0.3832

■ 43.4662, 0.3115,
0.3544

Harmonies

Analogous

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



33.0477, 0.4184, 0.5543



33.0477, 0.3000, 0.6000



33.0477, 0.1901, 0.4935

Triad

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



33.0477, 0.3000, 0.6000



33.0477, 0.1166, 0.1500



33.0477, 0.5431, 0.2874

Complementary

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



33.0477, 0.3000, 0.6000



13.1597, 0.3209, 0.1542

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.



33.0477, 0.4125, 0.2170



33.0477, 0.3000, 0.6000



33.0477, 0.1679, 0.1426

Square

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



33.0477, 0.3000, 0.6000



33.0477, 0.1014, 0.1978



33.0477, 0.2672, 0.1657



33.0477, 0.5793, 0.3653

Rectangle

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



33.0477, 0.3000, 0.6000



33.0477, 0.1385, 0.3690



33.0477, 0.2672, 0.1657



33.0477, 0.5072, 0.2628

Sweetspot

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



33.0491, 0.3000, 0.6000



69.7924, 0.3086, 0.4168



42.8732, 0.4193, 0.5053



14.8004, 0.3079, 0.4309



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.



33.0491, 0.3000, 0.6000



59.1879, 0.3000, 0.6000



33.7958, 0.2724, 0.5005



9.4901, 0.3116, 0.3525



22.7825, 0.3000, 0.6000



0.7168, 0.3000, 0.6000

Inverse Universe

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



13.1597, 0.3209, 0.1542



23.5679, 0.3209, 0.1542



10.5709, 0.4956, 0.2504



8.6467, 0.3138, 0.3066



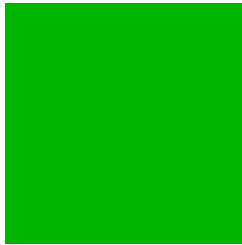
9.0717, 0.3209, 0.1542



0.2854, 0.3209, 0.1542

Previews

White Background



This preview shows how the Yxy color 33.0477, 0.3000, 0.6000 looks on a white background.

Color Contrast Check

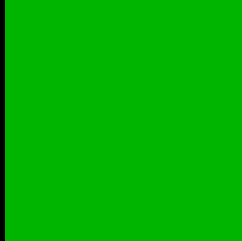
Large Text (above 18pt) WCAG AA × Fail

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 33.0477, 0.3000, 0.6000 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

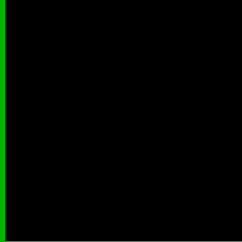
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

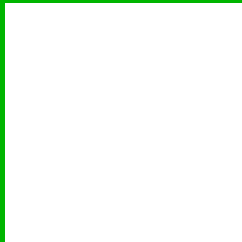
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 33.0477, 0.3000, 0.6000

Background



This preview shows how black text looks on a background with the Yxy color 33.0477, 0.3000, 0.6000.



This preview shows how white text looks on a background with the Yxy color 33.0477, 0.3000, 0.6000.

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

33.0477, 0.3000, 0.6000

Protanopia

32.4414, 0.4398, 0.4890

Deuteranopia

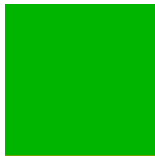
32.4833, 0.4591, 0.4513



Tritanopia

32.9192, 0.2363, 0.3059

Trichromacy



Original Color

33.0477, 0.3000, 0.6000



Protanomaly

29.9304, 0.3639, 0.5492



Deuteranomaly

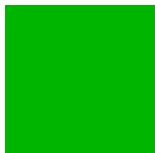
29.0774, 0.3754, 0.5262



Tritanomaly

31.7765, 0.2656, 0.4369

Monochromacy



Original Color

33.0477, 0.3000, 0.6000



Achromatopsia

14.4128, 0.3127, 0.3290



Achromatomaly

18.3736, 0.3057, 0.4794

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.0477, 0.3000, 0.6000 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, 0)` looks like.

```
.text, #text, p{  
    color:rgb(0, 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(0, 181, 0) colored shadow looks like.

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

Border

The CSS property to change the border of an element to Yxy 33.0477, 0.3000, 0.6000 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, 0) }
```

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

```
.border{ border-color:rgb(0, 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(0, 181, 0)` colored shadow looks like.

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


Background

The CSS property to change the background color of an element to Yxy 33.0477, 0.3000, 0.6000 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, 0) }
```

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

```
.background{ background-color: rgb(0, 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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