

Converting Colors

Yxy(33.2442, 0.3004, 0.5911)

Have a look what the booklet for
Yxy(33.2442, 0.3004, 0.5911)
contains.

Yxy(33.2200, 0.3004, 0.5911)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(33.2200, 0.3004, 0.5911)

Conversions

Conversions Part 1

Format	Color
Hex	12B512
RGB	18, 181, 18
RGB Percent	7%, 71%, 7%
CMY	0.9295, 0.2902, 0.9291
CMYK	0.90, 0.00, 0.90, 0.29
HSL	120°, 82%, 39%
HSV	120°, 90%, 71%
XYZ	16.8826, 33.2200, 6.0977
YIQ	113.6810, -44.8250, -85.2490

Conversions

Conversions Part 2

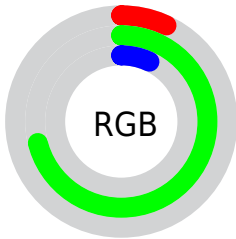
Format	Color
RYB	18, 181, 181
Decimal	1226002
CIELab	64.34, -65.22, 62.00
CIELCh	64, 89.988, 136.453
Yxy	33.2200, 0.3004, 0.5911
Android (android.graphics.Color)	4279416082 (0xFF12B512)
YUV	113.6810, -47.1707, -83.9122
Hunter-Lab	57.6368, -48.5794, 34.0731

Details

The Yxy color **33.2200, 0.3004, 0.5911** is a dark color, and the websafe version is hex **33CC33**. A complement of this color would be **13.5874, 0.3209, 0.1580**, and the grayscale version is **16.8814, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.5984, 0.3112, 0.5344**, and **14.9217, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **33.0494, 0.3000, 0.6000**, and if you desaturate by 10%, it is **33.5539, 0.3011, 0.5749**.

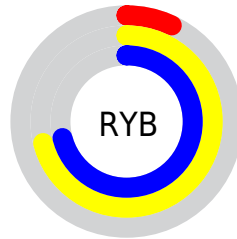
Distribution



Red (7%)

Green (71%)

Blue (7%)



Red (7%)

Yellow (71%)

Blue (71%)

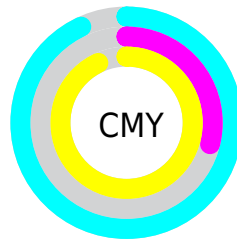


Cyan (90%)

Magenta (0%)

Yellow (90%)

Black (29%)



Cyan (93%)


Magenta (29%)

Yellow (93%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 33.2200, 0.3004, 0.5911 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 33.2200, 0.3004, 0.5911 by changing the saturation by 10% instead.

 33.2200, 0.3004,
0.5911


 33.2200, 0.3004,
0.5911


316.6399, 0.3190,
0.4437

 22.2950, 0.2896,
0.6302


 64.7189, 0.3113,
0.5349


 14.0738, 0.2716,
0.6796


 86.0615, 0.3141,
0.5144

 8.1720, 0.2454,
0.7546


 111.6456, 0.3159,
0.4974

 4.2052, 0.1883,
0.8117

 141.8553, 0.3171,
0.4831

 1.7890, 0.0000,
1.0000

 177.0753, 0.3179,
0.4710

 0.4803, 0.0000,
1.0000

 217.6897, 0.3185,

 0.0000, 0.0000,

0.4606

0.0000

264.0832, 0.3188,
0.4516

■ 33.2200, 0.3004,
0.5911

■ 33.2200, 0.3004,
0.5911

■ 33.0494, 0.3000,
0.6000

■ 33.5539, 0.3011,
0.5749

■ 34.1069, 0.3023,
0.5505

■ 34.9097, 0.3037,
0.5198

■ 35.9871, 0.3053,
0.4853

■ 37.3608, 0.3070,
0.4498

■ 39.0506, 0.3086,
0.4153

■ 41.0742, 0.3101,
0.3833

■ 43.4484, 0.3115,
0.3545

■ 46.1886, 0.3127,
0.3292

Harmonies

Analogous

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



33.2200, 0.4166, 0.5513



33.2200, 0.3004, 0.5911



33.2200, 0.1926, 0.4854

Triad

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



33.2200, 0.3004, 0.5911



33.2200, 0.1208, 0.1535



33.2200, 0.5379, 0.2903

Complementary

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



33.2200, 0.3004, 0.5911



13.5874, 0.3209, 0.1580

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.



33.2200, 0.4121, 0.2206



33.2200, 0.3004, 0.5911



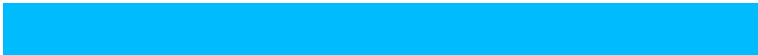
33.2200, 0.1722, 0.1464

Square

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



33.2200, 0.3004, 0.5911



33.2200, 0.1054, 0.2004



33.2200, 0.2704, 0.1696



33.2200, 0.5729, 0.3678

Rectangle

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



33.2200, 0.3004, 0.5911



33.2200, 0.1419, 0.3659



33.2200, 0.2704, 0.1696



33.2200, 0.5034, 0.2659

Sweetspot

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



33.2214, 0.3004, 0.5911



70.8266, 0.3090, 0.4067



42.9169, 0.4170, 0.5015



15.0639, 0.3085, 0.4178



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.



33.2214, 0.3004, 0.5911



59.1882, 0.3000, 0.6000



34.0876, 0.2697, 0.4826



9.4902, 0.3116, 0.3525



22.7827, 0.3000, 0.5999



0.7169, 0.2999, 0.5997

Inverse Universe

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



13.5874, 0.3209, 0.1580



23.5596, 0.3211, 0.1543



11.1660, 0.4719, 0.2445



8.6466, 0.3138, 0.3066



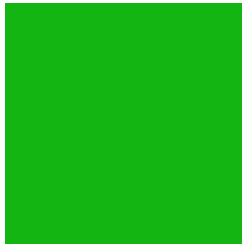
9.0686, 0.3211, 0.1542



0.2854, 0.3210, 0.1542

Previews

White Background



This preview shows how the Yxy color 33.2200, 0.3004, 0.5911 looks on a white background.

Color Contrast Check

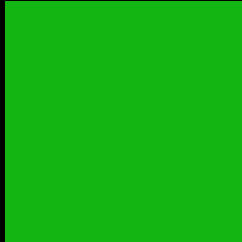
Large Text (above 18pt) WCAG AA × Fail

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 33.2200, 0.3004, 0.5911 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 33.2200, 0.3004, 0.5911

Background



This preview shows how black text looks on a background with the Yxy color 33.2200, 0.3004, 0.5911.



This preview shows how white text looks on a background with the Yxy color 33.2200, 0.3004, 0.5911.

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

33.2200, 0.3004, 0.5911

Protanopia

32.5566, 0.4408, 0.4882

Deuteranopia

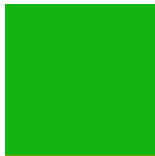
32.5039, 0.4577, 0.4494



Tritanopia

32.9604, 0.2367, 0.3059

Trichromacy



Original Color

33.2200, 0.3004, 0.5911



Protanomaly

30.4178, 0.3700, 0.5414



Deuteranomaly

29.6519, 0.3802, 0.5153



Tritanomaly

32.1330, 0.2651, 0.4241

Monochromacy



Original Color

33.2200, 0.3004, 0.5911



Achromatopsia

16.8269, 0.3127, 0.3290



Achromatomaly

20.4037, 0.3068, 0.4561

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.2200, 0.3004, 0.5911 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(18, 181, 18)` looks like.

```
.text, #text, p{  
    color:rgb(18, 181, 18)  
}
```

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(18, 181, 18) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(18, 181, 18) }
```

Border

The CSS property to change the border of an element to Yxy 33.2200, 0.3004, 0.5911 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(18, 181, 18) }
```

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

```
.border{ border-color:rgb(18, 181, 18) }
```

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

Here you see how a box with a 4 pixel `rgb(18, 181, 18)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(18, 181, 18); -webkit-box-  
shadow:4px 4px 4px 4px rgb(18, 181, 18);  
box-shadow:4px 4px 4px 4px rgb(18, 181,  
18) }
```


Background

The CSS property to change the background color of an element to Yxy 33.2200, 0.3004, 0.5911 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(18, 181, 18) }
```

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

```
.background{ background-color: rgb(18, 181,  
18) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor