

Converting Colors

$Y_{xy}(33.1211, 0.3010, 0.5992)$

Have a look what the booklet for
Yxy(33.1211, 0.3010, 0.5992)
contains.

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Color

Yxy(33.0994, 0.3010, 0.5992)

Conversions

Conversions Part 1

Format	Color
Hex	08B500
RGB	8, 181, 0
RGB Percent	3%, 71%, 0%
CMY	0.9674, 0.2902, 0.9999
CMYK	0.95, 0.00, 1.00, 0.29
HSL	117°, 100%, 35%
HSV	117°, 100%, 71%
XYZ	16.6270, 33.0994, 5.5129
YIQ	108.6390, -45.0070, -92.9670

Conversions

Conversions Part 2

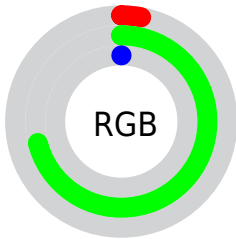
Format	Color
RYB	0, 181, 173
Decimal	570624
CIELab	64.24, -66.23, 64.36
CIELCh	64, 92.349, 135.822
Yxy	33.0994, 0.3010, 0.5992
Android (android.graphics.Color)	4278760704 (0xFF08B500)
YUV	108.6390, -53.5590, -88.2604
Hunter-Lab	57.5321, -49.0938, 34.5911

Details

The Yxy color **33.0994, 0.3010, 0.5992** is a dark color, and the websafe version is hex **33CC33**. A complement of this color would be **12.1884, 0.3095, 0.1479**, and the grayscale version is **15.3786, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.3802, 0.3125, 0.5418**, and **14.9217, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **33.1005, 0.3010, 0.5992**, and if you desaturate by 10%, it is **33.3054, 0.3020, 0.5899**.

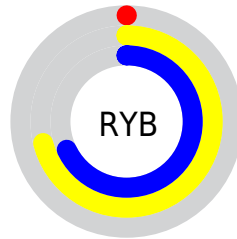
Distribution



Red (3%)

Green (71%)

Blue (0%)



Red (0%)

Yellow (71%)

Blue (68%)

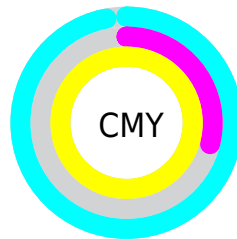


Cyan (95%)

Magenta (0%)

Yellow (100%)

Black (29%)



Cyan (97%)


Magenta (29%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.0994, 0.3010, 0.5992 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 33.0994, 0.3010, 0.5992 by changing the saturation by 10% instead.


 33.0994, 0.3010,
0.5992


 33.0994, 0.3010,
0.5992

316.0974, 0.3204,
0.4477


 22.2026, 0.2896,
0.6389


 64.5307, 0.3125,
0.5417

 14.0058, 0.2705,
0.6885


 85.8340, 0.3154,
0.5206

 8.1247, 0.2412,
0.7588


 111.3749, 0.3173,
0.5031

 4.1749, 0.1834,
0.8166

 141.5378, 0.3185,
0.4884

 1.7719, 0.0000,
1.0000

 176.7071, 0.3193,
0.4759

 0.4695, 0.0000,
1.0000


 217.2672, 0.3199,


 0.0000, 0.0000,


0.4651

0.0000

 263.6025, 0.3202,
0.4558

 33.0994, 0.3010,
0.5992


 33.0994, 0.3010,
0.5992

 33.1005, 0.3010,
0.5992

 33.3054, 0.3020,
0.5899

 33.6864, 0.3035,
0.5732

 34.2812, 0.3051,
0.5486

 35.1151, 0.3068,
0.5179

 36.2097, 0.3083,
0.4838

■ 37.5843, 0.3096,
0.4486

■ 39.2563, 0.3107,
0.4146

■ 41.2418, 0.3116,
0.3829

■ 43.5556, 0.3122,
0.3543

Harmonies

Analogous

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



33.0994, 0.4192, 0.5532



33.0994, 0.3010, 0.5992



33.0994, 0.1911, 0.4940

Triad

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



33.0994, 0.3010, 0.5992



33.0994, 0.1168, 0.1506



33.0994, 0.5418, 0.2871

Complementary

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



33.0994, 0.3010, 0.5992



12.1884, 0.3095, 0.1479

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.



33.0994, 0.4112, 0.2169



33.0994, 0.3010, 0.5992



33.0994, 0.1677, 0.1429

Square

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



33.0994, 0.3010, 0.5992



33.0994, 0.1018, 0.1987



33.0994, 0.2665, 0.1658



33.0994, 0.5788, 0.3649

Rectangle

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



33.0994, 0.3010, 0.5992



33.0994, 0.1393, 0.3701



33.0994, 0.2665, 0.1658



33.0994, 0.5059, 0.2625

Sweetspot

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



33.1008, 0.3010, 0.5992



70.1399, 0.3107, 0.4163



39.3096, 0.4283, 0.4981



14.8796, 0.3102, 0.4302



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.



33.1008, 0.3010, 0.5992



59.2573, 0.3007, 0.5994



33.6483, 0.2769, 0.5169



9.5080, 0.3123, 0.3525



22.8277, 0.3012, 0.5990



0.7244, 0.3064, 0.5949

Inverse Universe

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



12.1884, 0.3095, 0.1479



21.7999, 0.3093, 0.1478



10.7359, 0.4745, 0.2388



8.6265, 0.3131, 0.3065



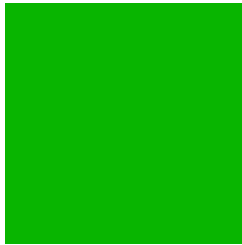
8.4105, 0.3097, 0.1480



0.2707, 0.3130, 0.1498

Previews

White Background



This preview shows how the Yxy color 33.0994, 0.3010, 0.5992 looks on a white background.

Color Contrast Check

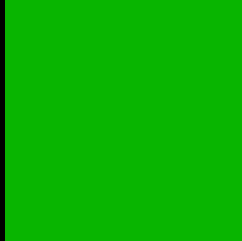
Large Text (above 18pt) WCAG AA × Fail

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 33.0994, 0.3010, 0.5992 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

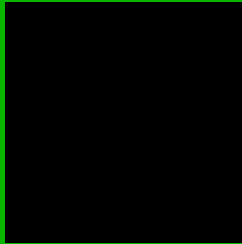
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.0994, 0.3010, 0.5992

Background



This preview shows how black text looks on a background with the Yxy color 33.0994, 0.3010, 0.5992.



This preview shows how white text looks on a background with the Yxy color 33.0994, 0.3010, 0.5992.

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

33.0994, 0.3010, 0.5992

Protanopia

32.4414, 0.4398, 0.4890

Deuteranopia

32.4833, 0.4591, 0.4513



Tritanopia

32.9192, 0.2363, 0.3059

Trichromacy



Original Color

33.0994, 0.3010, 0.5992



Protanomaly

30.1283, 0.3669, 0.5469



Deuteranomaly

29.3021, 0.3786, 0.5238



Tritanomaly

31.8519, 0.2667, 0.4366

Monochromacy



Original Color

33.0994, 0.3010, 0.5992



Achromatopsia

15.2926, 0.3127, 0.3290



Achromatomaly

19.1353, 0.3086, 0.4758

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.0994, 0.3010, 0.5992 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(8, 181, 0)` looks like.

```
.text, #text, p{  
    color:rgb(8, 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(8, 181, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(8, 181, 0) }
```

Border

The CSS property to change the border of an element to Yxy 33.0994, 0.3010, 0.5992 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(8, 181, 0) }
```

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

```
.border{ border-color:rgb(8, 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(8, 181, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(8, 181, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(8, 181, 0); box-shadow:4px  
4px 4px 4px rgb(8, 181, 0) }
```


Background

The CSS property to change the background color of an element to Yxy 33.0994, 0.3010, 0.5992 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(8, 181, 0) }
```

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

```
.background{ background-color: rgb(8, 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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