

Converting Colors

$Y_{xy}(33.1414, 0.3002, 0.5938)$

Have a look what the booklet for
Yxy(33.1414, 0.3002, 0.5938)
contains.

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Color

Yxy(33.1650, 0.3002, 0.5936)

Conversions

Conversions Part 1

Format	Color
Hex	0DB50E
RGB	13, 181, 14
RGB Percent	5%, 71%, 5%
CMY	0.9479, 0.2902, 0.9450
CMYK	0.93, 0.00, 0.92, 0.29
HSL	120°, 86%, 38%
HSV	120°, 93%, 71%
XYZ	16.7725, 33.1650, 5.9335
YIQ	111.7300, -46.5210, -87.5530

Conversions

Conversions Part 2

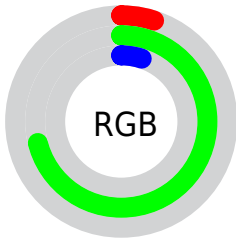
Format	Color
RYB	13, 180, 181
Decimal	898318
CIELab	64.29, -65.65, 62.61
CIELCh	64, 90.718, 136.354
Yxy	33.1650, 0.3002, 0.5936
Android (android.graphics.Color)	4279088398 (0xFF0DB50E)
YUV	111.7300, -48.1809, -86.5862
Hunter-Lab	57.5891, -48.7938, 34.2036

Details

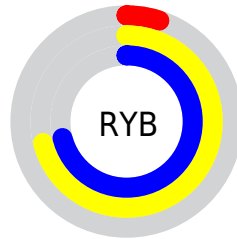
The Yxy color **33.1650, 0.3002, 0.5936** is a dark color, and the websafe version is hex **33CC33**. A complement of this color would be **13.4250, 0.3218, 0.1573**, and the grayscale version is **16.3021, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.5099, 0.3114, 0.5367**, and **14.9217, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **33.0485, 0.2999, 0.5997**, and if you desaturate by 10%, it is **33.4488, 0.3008, 0.5795**.

Distribution



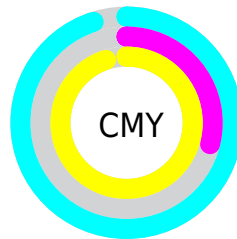
- Red (5%)
- Green (71%)
- Blue (5%)



- Red (5%)
- Yellow (71%)
- Blue (71%)



- Cyan (93%)
- Magenta (0%)
- Yellow (92%)
- Black (29%)





- Cyan (95%)
- Magenta (29%)
- Yellow (95%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 33.1650, 0.3002, 0.5936 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 33.1650, 0.3002, 0.5936 by changing the saturation by 10% instead.


 33.1650, 0.3002,
0.5936


 33.1650, 0.3002,
0.5936


316.3926, 0.3192,
0.4449

 22.2529, 0.2892,
0.6330


 64.6330, 0.3113,
0.5369


 14.0428, 0.2708,
0.6824


 85.9578, 0.3142,
0.5162

 8.1505, 0.2436,
0.7564


 111.5221, 0.3160,
0.4991

 4.1914, 0.1862,
0.8138

 141.7105, 0.3173,
0.4847

 1.7812, 0.0000,
1.0000

 176.9074, 0.3181,
0.4725

 0.4754, 0.0000,
1.0000

 217.4971, 0.3187,

 0.0000, 0.0000,

0.4620

0.0000

263.8640, 0.3190,
0.4528

■ 33.1650, 0.3002,
0.5936

■ 33.1650, 0.3002,
0.5936

■ 33.0485, 0.2999,
0.5997

■ 33.4488, 0.3008,
0.5795

■ 33.9430, 0.3018,
0.5570

■ 34.6797, 0.3031,
0.5276

■ 35.6845, 0.3047,
0.4939

■ 36.9798, 0.3064,
0.4585

■ 38.5856, 0.3081,
0.4237

■ 40.5204, 0.3097,
0.3911

■ 42.8008, 0.3111,
0.3615

■ 45.4427, 0.3124,
0.3354

Harmonies

Analogous

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



33.1650, 0.4170, 0.5522



33.1650, 0.3002, 0.5936



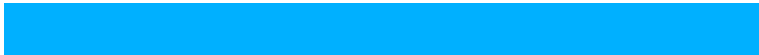
33.1650, 0.1918, 0.4875

Triad

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



33.1650, 0.3002, 0.5936



33.1650, 0.1196, 0.1525



33.1650, 0.5395, 0.2896

Complementary

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



33.1650, 0.3002, 0.5936



13.4250, 0.3218, 0.1573

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.



33.1650, 0.4123, 0.2196



33.1650, 0.3002, 0.5936



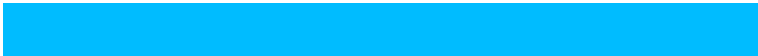
33.1650, 0.1710, 0.1453

Square

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



33.1650, 0.3002, 0.5936



33.1650, 0.1042, 0.1996



33.1650, 0.2696, 0.1685



33.1650, 0.5747, 0.3672

Rectangle

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



33.1650, 0.3002, 0.5936



33.1650, 0.1409, 0.3666



33.1650, 0.2696, 0.1685



33.1650, 0.5046, 0.2651

Sweetspot

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



33.1664, 0.3002, 0.5936



70.4852, 0.3087, 0.4097



42.9000, 0.4178, 0.5027



14.9321, 0.3081, 0.4239



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.



33.1664, 0.3002, 0.5936



59.1901, 0.2999, 0.5998



34.0004, 0.2703, 0.4873



9.4907, 0.3116, 0.3524



22.7839, 0.2999, 0.5997



0.7171, 0.2995, 0.5982

Inverse Universe

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



13.4250, 0.3218, 0.1573



23.5102, 0.3220, 0.1548



10.9848, 0.4781, 0.2458



8.6461, 0.3138, 0.3067



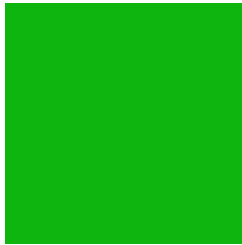
9.0502, 0.3220, 0.1547



0.2850, 0.3217, 0.1546

Previews

White Background



This preview shows how the Yxy color 33.1650, 0.3002, 0.5936 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 33.1650, 0.3002, 0.5936 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 33.1650, 0.3002, 0.5936

Background



This preview shows how black text looks on a background with the Yxy color 33.1650, 0.3002, 0.5936.



This preview shows how white text looks on a background with the Yxy color 33.1650, 0.3002, 0.5936.

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

33.1650, 0.3002, 0.5936

Protanopia

32.4414, 0.4398, 0.4890

Deuteranopia

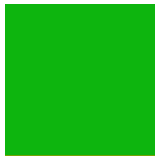
32.4969, 0.4582, 0.4501



Tritanopia

32.9604, 0.2367, 0.3059

Trichromacy



Original Color

33.1650, 0.3002, 0.5936



Protanomaly

30.2749, 0.3682, 0.5437



Deuteranomaly

29.4844, 0.3788, 0.5183



Tritanomaly

32.0519, 0.2649, 0.4263

Monochromacy



Original Color

33.1650, 0.3002, 0.5936



Achromatopsia

16.2029, 0.3127, 0.3290



Achromatomaly

19.9496, 0.3065, 0.4621

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.1650, 0.3002, 0.5936 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(13, 181, 14)` looks like.

```
.text, #text, p{  
    color:rgb(13, 181, 14)  
}
```

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(13, 181, 14) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(13, 181, 14) }
```

Border

The CSS property to change the border of an element to Yxy 33.1650, 0.3002, 0.5936 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(13, 181, 14) }
```

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

```
.border{ border-color:rgb(13, 181, 14) }
```

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

Here you see how a box with a 4 pixel rgb(13, 181, 14) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(13, 181, 14); -webkit-box-  
shadow:4px 4px 4px 4px rgb(13, 181, 14);  
box-shadow:4px 4px 4px 4px rgb(13, 181,  
14) }
```


Background

The CSS property to change the background color of an element to Yxy 33.1650, 0.3002, 0.5936 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(13, 181, 14) }
```

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

```
.background{ background-color: rgb(13, 181,  
14) }
```

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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