

Converting Colors

Yxy(33.7511, 0.3034, 0.5888)

Have a look what the booklet for
Yxy(33.7511, 0.3034, 0.5888)
contains.

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Color

Yxy(33.7909, 0.3033, 0.5890)

Conversions

Conversions Part 1

Format	Color
Hex	1FB612
RGB	31, 182, 18
RGB Percent	12%, 71%, 7%
CMY	0.8788, 0.2862, 0.9292
CMYK	0.83, 0.00, 0.90, 0.29
HSL	115°, 82%, 39%
HSV	115°, 90%, 71%
XYZ	17.4003, 33.7909, 6.1787
YIQ	118.1550, -37.3520, -83.0160

Conversions

Conversions Part 2

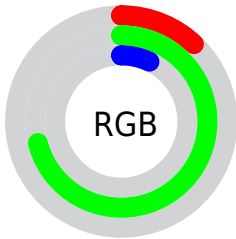
Format	Color
RYB	18, 182, 169
Decimal	2078226
CIELab	64.80, -64.35, 62.45
CIELCh	65, 89.672, 135.861
Yxy	33.7909, 0.3033, 0.5890
Android (android.graphics.Color)	4280268306 (0xFF1FB612)
YUV	118.1550, -49.3764, -76.4349
Hunter-Lab	58.1299, -48.2962, 34.3889

Details

The Yxy color **33.7909, 0.3033, 0.5890** is a dark color, and the websafe version is hex **33CC33**. A complement of this color would be **12.2625, 0.3032, 0.1484**, and the grayscale version is **18.3280, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.4833, 0.3135, 0.5334**, and **15.1787, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **33.5543, 0.3018, 0.5986**, and if you desaturate by 10%, it is **34.2081, 0.3053, 0.5721**.

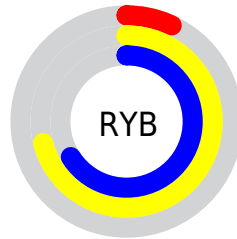
Distribution



Red (12%)

Green (71%)

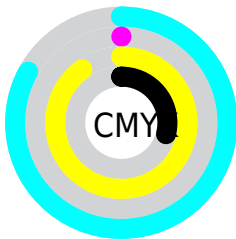
Blue (7%)



Red (7%)

Yellow (71%)

Blue (66%)

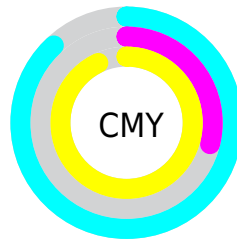


Cyan (83%)

Magenta (0%)

Yellow (90%)

Black (29%)



Cyan (88%)


Magenta (29%)


Yellow (93%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 33.7909, 0.3033, 0.5890 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 33.7909, 0.3033, 0.5890 by changing the saturation by 10% instead.


 33.7909, 0.3033,
0.5890


 33.7909, 0.3033,
0.5890


319.1987, 0.3203,
0.4435

 22.7330, 0.2930,
0.6274


 65.6084, 0.3136,
0.5336

 14.3965, 0.2758,
0.6757


 87.1367, 0.3161,
0.5134


 8.3969, 0.2507,
0.7493


 112.9241, 0.3178,
0.4966

 4.3500, 0.1950,
0.8050

 143.3547, 0.3188,
0.4825

 1.8712, 0.0000,
1.0000

 178.8131, 0.3195,
0.4705

 0.5310, 0.0000,
1.0000

 219.6836, 0.3200,

 0.0000, 0.0000,

0.4602

0.0000

266.3507, 0.3202,
0.4513

■ 33.7909, 0.3033,
0.5890

■ 33.7909, 0.3033,
0.5890

■ 33.5543, 0.3018,
0.5986

■ 34.2081, 0.3053,
0.5721

■ 34.8344, 0.3073,
0.5475

■ 35.6942, 0.3090,
0.5171

■ 36.8078, 0.3104,
0.4832

■ 38.1930, 0.3115,
0.4484

■ 39.8661, 0.3122,
0.4146

■ 41.8421, 0.3126,
0.3831

■ 44.1350, 0.3127,
0.3545

■ 46.7579, 0.3127,
0.3292

Harmonies

Analogous

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



33.7909, 0.4187, 0.5483



33.7909, 0.3033, 0.5890



33.7909, 0.1955, 0.4870

Triad

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



33.7909, 0.3033, 0.5890



33.7909, 0.1213, 0.1551



33.7909, 0.5343, 0.2894

Complementary

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



33.7909, 0.3033, 0.5890



12.2625, 0.3032, 0.1484

Split Complementary

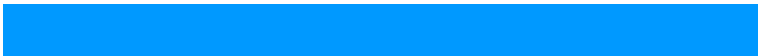
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



33.7909, 0.4084, 0.2201



33.7909, 0.3033, 0.5890



33.7909, 0.1717, 0.1473

Square

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



33.7909, 0.3033, 0.5890



33.7909, 0.1066, 0.2029



33.7909, 0.2684, 0.1698



33.7909, 0.5713, 0.3665

Rectangle

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



33.7909, 0.3033, 0.5890



33.7909, 0.1444, 0.3691



33.7909, 0.2684, 0.1698



33.7909, 0.4995, 0.2651

Sweetspot

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



33.7923, 0.3033, 0.5890



73.1589, 0.3123, 0.4060



38.1218, 0.4304, 0.4903



15.9068, 0.3121, 0.4171



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



33.7923, 0.3033, 0.5890



60.7898, 0.3014, 0.5989



34.2654, 0.2769, 0.5080



10.0929, 0.3127, 0.3525



23.7058, 0.3021, 0.5984



0.8471, 0.3102, 0.5919

Inverse Universe

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



12.2625, 0.3032, 0.1484



21.1127, 0.3010, 0.1432



11.5877, 0.4418, 0.2272



9.1259, 0.3126, 0.3064



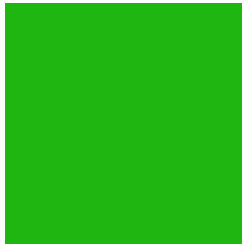
8.2557, 0.3015, 0.1435



0.3017, 0.3069, 0.1464

Previews

White Background



This preview shows how the Yxy color 33.7909, 0.3033, 0.5890 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 33.7909, 0.3033, 0.5890 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 33.7909, 0.3033, 0.5890

Background



This preview shows how black text looks on a background with the Yxy color 33.7909, 0.3033, 0.5890.



This preview shows how white text looks on a background with the Yxy color 33.7909, 0.3033, 0.5890.

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

33.7909, 0.3033, 0.5890

Protanopia

33.0070, 0.4407, 0.4883

Deuteranopia

33.0900, 0.4580, 0.4485



Tritanopia

33.5442, 0.2385, 0.3061

Trichromacy



Original Color

33.7909, 0.3033, 0.5890



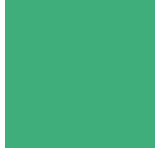
Protanomaly

31.1366, 0.3743, 0.5381



Deuteranomaly

30.4913, 0.3855, 0.5108



Tritanomaly

32.7589, 0.2679, 0.4228

Monochromacy



Original Color

33.7909, 0.3033, 0.5890



Achromatopsia

18.1164, 0.3127, 0.3290



Achromatomaly

21.6374, 0.3108, 0.4517

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.7909, 0.3033, 0.5890 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(31, 182, 18)` looks like.

```
.text, #text, p{  
    color:rgb(31, 182, 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(31, 182, 18) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(31, 182, 18) }
```

Border

The CSS property to change the border of an element to Yxy 33.7909, 0.3033, 0.5890 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(31, 182, 18) }
```

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

```
.border{ border-color:rgb(31, 182, 18) }
```

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

Here you see how a box with a 4 pixel rgb(31, 182, 18) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(31, 182, 18); -webkit-box-  
shadow:4px 4px 4px 4px rgb(31, 182, 18);  
box-shadow:4px 4px 4px 4px rgb(31, 182,  
18) }
```


Background

The CSS property to change the background color of an element to Yxy 33.7909, 0.3033, 0.5890 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(31, 182, 18) }
```

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

```
.background{ background-color: rgb(31, 182,  
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](#).

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