

Converting Colors

Yxy(38.4643, 0.2898, 0.5454)

Have a look what the booklet for
Yxy(38.4643, 0.2898, 0.5454)
contains.

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Color

Yxy(38.3805, 0.2897, 0.5450)

Conversions

Conversions Part 1

Format	Color
Hex	1EC043
RGB	30, 192, 67
RGB Percent	12%, 75%, 26%
CMY	0.8817, 0.2471, 0.7373
CMYK	0.84, 0.00, 0.65, 0.25
HSL	134°, 73%, 44%
HSV	134°, 84%, 75%
XYZ	20.4015, 38.3805, 11.6409
YIQ	129.3120, -56.4270, -73.2190

Conversions

Conversions Part 2

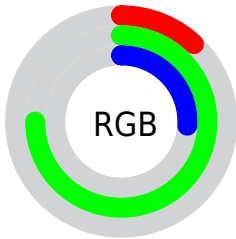
Format	Color
RYB	30, 162, 192
Decimal	2015299
CIELab	68.30, -63.99, 50.42
CIElCh	68, 81.469, 141.763
Yxy	38.3805, 0.2897, 0.5450
Android (android.graphics.Color)	4280205379 (0xFF1EC043)
YUV	129.3120, -30.7198, -87.0966
Hunter-Lab	61.9520, -49.6338, 32.2257

Details

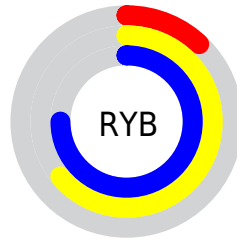
The Yxy color **38.3805, 0.2897, 0.5450** is a dark color, and the websafe version is hex **33CC33**. The color can be described as dark washed green. A complement of this color would be **14.5161, 0.3749, 0.1934**, and the grayscale version is **22.2111, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.8531, 0.2989, 0.4989**, and **17.9001, 0.2993, 0.5974** is the 20% darker color. If you saturate the color by 10%, you get **38.0187, 0.2918, 0.5657**, and if you desaturate by 10%, it is **38.9671, 0.2889, 0.5199**.

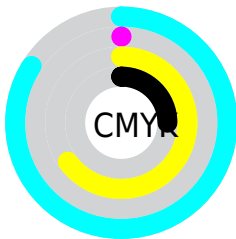
Distribution



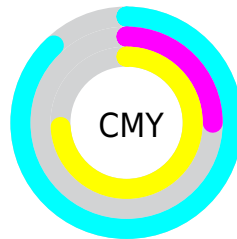
- Red (12%)
- Green (75%)
- Blue (26%)



- Red (12%)
- Yellow (64%)
- Blue (75%)



- Cyan (84%)
- Magenta (0%)
- Yellow (65%)
- Black (25%)





- Cyan (88%)
- Magenta (25%)
- Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.3805, 0.2897, 0.5450 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 38.3805, 0.2897, 0.5450 by changing the saturation by 10% instead.


 38.3805, 0.2897,
0.5450


 38.3805, 0.2897,
0.5450


339.2494, 0.3090,
0.4246


 26.2781, 0.2815,
0.5781

 72.6910, 0.2990,
0.4987


 17.0318, 0.2688,
0.6216


 95.6679, 0.3018,
0.4820


 10.2572, 0.2478,
0.6795


 123.0384, 0.3038,
0.4682

 5.5698, 0.2184,
0.7816

 155.1870, 0.3054,
0.4566

 2.5853, 0.1233,
0.8767

 192.4980, 0.3066,
0.4468

 0.9193, 0.0000,
1.0000

235.3558, 0.3076,

 0.0000, 0.0000,

0.4383

0.0000

284.1448, 0.3083,
0.4310

■ 38.3805, 0.2897,
0.5450

■ 38.3805, 0.2897,
0.5450

■ 38.0187, 0.2918,
0.5657

■ 38.9671, 0.2889,
0.5199

■ 37.8778, 0.2932,
0.5755

■ 39.8045, 0.2895,
0.4921

■ 40.9203, 0.2913,
0.4630

■ 42.3369, 0.2942,
0.4341

■ 44.0745, 0.2979,
0.4065

■ 46.1514, 0.3020,
0.3809

■ 48.5848, 0.3064,
0.3577

■ 51.3903, 0.3108,
0.3371

■ 54.5830, 0.3152,
0.3189

Harmonies

Analogous

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



38.3805, 0.3954, 0.5398



38.3805, 0.2897, 0.5450



38.3805, 0.1951, 0.4358

Triad

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



38.3805, 0.2897, 0.5450



38.3805, 0.1447, 0.1680



38.3805, 0.5210, 0.3108

Complementary

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



38.3805, 0.2897, 0.5450



14.5161, 0.3749, 0.1934

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.



38.3805, 0.4222, 0.2435



38.3805, 0.2897, 0.5450



38.3805, 0.2001, 0.1657

Square

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



38.3805, 0.2897, 0.5450



38.3805, 0.1249, 0.2058



38.3805, 0.2970, 0.1921



38.3805, 0.5410, 0.3854

Rectangle

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



38.3805, 0.2897, 0.5450



38.3805, 0.1528, 0.3380



38.3805, 0.2970, 0.1921



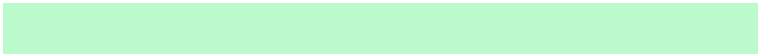
38.3805, 0.4953, 0.2873

Sweetspot

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



38.3821, 0.2897, 0.5450



83.1747, 0.3015, 0.3836



44.9546, 0.3830, 0.5221



17.5477, 0.3000, 0.3925



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



38.3821, 0.2897, 0.5450



68.6031, 0.2938, 0.5777



40.0569, 0.2501, 0.4073



11.2955, 0.3086, 0.3473



25.4983, 0.2926, 0.5735



1.1126, 0.2803, 0.5292

Inverse Universe

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



14.5161, 0.3749, 0.1934



24.1577, 0.3899, 0.1921



12.6656, 0.5316, 0.2864



10.2070, 0.3172, 0.3114



8.9985, 0.3876, 0.1909



0.3987, 0.3698, 0.1811

Previews

White Background



This preview shows how the Yxy color 38.3805, 0.2897, 0.5450 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 38.3805, 0.2897, 0.5450 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 38.3805, 0.2897, 0.5450

Background



This preview shows how black text looks on a background with the Yxy color 38.3805, 0.2897, 0.5450.



This preview shows how white text looks on a background with the Yxy color 38.3805, 0.2897, 0.5450.

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

38.3805, 0.2897, 0.5450

Protanopia

37.4269, 0.4193, 0.4611

Deuteranopia

37.5014, 0.4343, 0.4249



Tritanopia

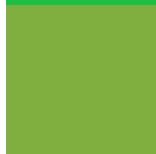
38.3314, 0.2368, 0.3073

Trichromacy



Original Color

38.3805, 0.2897, 0.5450



Protanomaly

35.6080, 0.3540, 0.5016



Deuteranomaly

34.9066, 0.3627, 0.4761



Tritanomaly

37.4759, 0.2557, 0.3905

Monochromacy



Original Color

38.3805, 0.2897, 0.5450



Achromatopsia

21.9526, 0.3127, 0.3290



Achromatomaly

25.8242, 0.2967, 0.4177

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.3805, 0.2897, 0.5450 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(30, 192, 67)` looks like.

```
.text, #text, p{  
    color:rgb(30, 192, 67)  
}
```

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(30, 192, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(30, 192, 67) }
```

Border

The CSS property to change the border of an element to Yxy 38.3805, 0.2897, 0.5450 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(30, 192, 67) }
```

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

```
.border{ border-color:rgb(30, 192, 67) }
```

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

Here you see how a box with a 4 pixel `rgb(30, 192, 67)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(30, 192, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(30, 192, 67);  
box-shadow:4px 4px 4px 4px rgb(30, 192,  
67) }
```


Background

The CSS property to change the background color of an element to Yxy 38.3805, 0.2897, 0.5450 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(30, 192, 67) }
```

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

```
.background{ background-color: rgb(30, 192,  
67) }
```

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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