

Converting Colors

$Yxy(38.8588, 0.2837, 0.5131)$

Have a look what the booklet for
Yxy(38.8588, 0.2837, 0.5131)
contains.

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Color

Yxy(38.8588, 0.2837, 0.5131)

Conversions

Conversions Part 1

Format	Color
Hex	29C057
RGB	41, 192, 87
RGB Percent	16%, 75%, 34%
CMY	0.8391, 0.2471, 0.6587
CMYK	0.79, 0.00, 0.55, 0.25
HSL	138°, 65%, 46%
HSV	138°, 79%, 75%
XYZ	21.4856, 38.8588, 15.3890
YIQ	134.8810, -56.2910, -64.6670

Conversions

Conversions Part 2

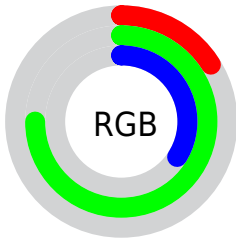
Format	Color
RYB	41, 157, 192
Decimal	2736215
CIELab	68.65, -60.28, 41.77
CIELCh	69, 73.338, 145.283
Yxy	38.8588, 0.2837, 0.5131
Android (android.graphics.Color)	4280926295 (0xFF29C057)
YUV	134.8810, -23.6053, -82.3336
Hunter-Lab	62.3368, -47.5661, 28.9989

Details

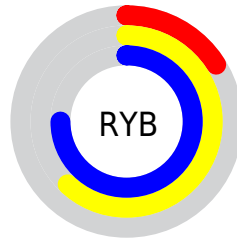
The Yxy color **38.8588, 0.2837, 0.5131** is a dark color, and the websafe version is hex **33CC66**. The color can be described as dark muted green. A complement of this color would be **14.8694, 0.3894, 0.2089**, and the grayscale version is **24.2905, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.6800, 0.2929, 0.4740**, and **18.0187, 0.2900, 0.5641** is the 20% darker color. If you saturate the color by 10%, you get **38.3586, 0.2853, 0.5364**, and if you desaturate by 10%, it is **39.5949, 0.2837, 0.4875**.

Distribution



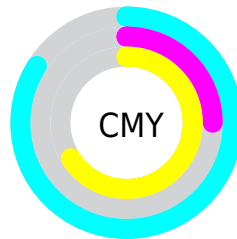
- Red (16%)
- Green (75%)
- Blue (34%)



- Red (16%)
- Yellow (62%)
- Blue (75%)



- Cyan (79%)
- Magenta (0%)
- Yellow (55%)
- Black (25%)





- Cyan (84%)
- Magenta (25%)
- Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.8588, 0.2837, 0.5131 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 38.8588, 0.2837, 0.5131 by changing the saturation by 10% instead.


 38.8588, 0.2837,
0.5131


 38.8588, 0.2837,
0.5131


341.2898, 0.3038,
0.4106


 26.6499, 0.2764,
0.5418


 73.4226, 0.2926,
0.4734


 17.3105, 0.2654,
0.5802


 96.5462, 0.2954,
0.4592


 10.4561, 0.2479,
0.6331


 124.0769, 0.2977,
0.4475

 5.7024, 0.2197,
0.7136

 156.3990, 0.2994,
0.4377

 2.6650, 0.1555,
0.8445

 193.8970, 0.3008,
0.4294

 0.9594, 0.0000,
1.0000

236.9552, 0.3020,

 0.0000, 0.0000,

0.4222

0.0000

285.9580, 0.3030,
0.4160

■ 38.8588, 0.2837,
0.5131

■ 38.8588, 0.2837,
0.5131

■ 38.3586, 0.2853,
0.5364

■ 39.5949, 0.2837,
0.4875

■ 38.0466, 0.2882,
0.5564

■ 40.5890, 0.2854,
0.4609

■ 38.0107, 0.2886,
0.5589

■ 41.8656, 0.2884,
0.4344

■ 43.4451, 0.2924,
0.4090

■ 45.3458, 0.2972,
0.3852

■ 47.5847, 0.3025,
0.3635

■ 50.1776, 0.3079,
0.3441

■ 53.1390, 0.3135,
0.3268

■ 56.4830, 0.3189,
0.3116

Harmonies

Analogous

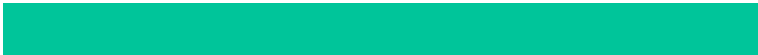
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



38.8588, 0.3816, 0.5255



38.8588, 0.2837, 0.5131



38.8588, 0.1988, 0.4089

Triad

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



38.8588, 0.2837, 0.5131



38.8588, 0.1619, 0.1791



38.8588, 0.5066, 0.3230

Complementary

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



38.8588, 0.2837, 0.5131



14.8694, 0.3894, 0.2089

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.



38.8588, 0.4244, 0.2582



38.8588, 0.2837, 0.5131



38.8588, 0.2186, 0.1797

Square

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



38.8588, 0.2837, 0.5131



38.8588, 0.1395, 0.2113



38.8588, 0.3119, 0.2075



38.8588, 0.5188, 0.3943

Rectangle

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



38.8588, 0.2837, 0.5131



38.8588, 0.1617, 0.3248



38.8588, 0.3119, 0.2075



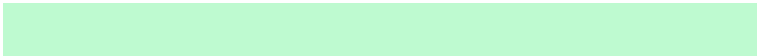
38.8588, 0.4860, 0.3004

Sweetspot

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



38.8604, 0.2837, 0.5131



83.8102, 0.2994, 0.3757



44.0363, 0.3708, 0.5229



17.6797, 0.2975, 0.3837



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.



38.8604, 0.2837, 0.5131



69.0916, 0.2873, 0.5505



40.7736, 0.2441, 0.3789



11.3082, 0.3075, 0.3454



25.5889, 0.2880, 0.5567



1.1182, 0.2748, 0.5093

Inverse Universe

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



14.8694, 0.3894, 0.2089



23.8746, 0.4110, 0.2060



13.2517, 0.5352, 0.2996



10.1936, 0.3183, 0.3131



8.7040, 0.4152, 0.2061



0.3879, 0.3894, 0.1919

Previews

White Background



This preview shows how the Yxy color 38.8588, 0.2837, 0.5131 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 38.8588, 0.2837, 0.5131 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 38.8588, 0.2837, 0.5131

Background



This preview shows how black text looks on a background with the Yxy color 38.8588, 0.2837, 0.5131.



This preview shows how white text looks on a background with the Yxy color 38.8588, 0.2837, 0.5131.

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

38.8588, 0.2837, 0.5131

Protanopia

38.0273, 0.4060, 0.4435

Deuteranopia

37.8548, 0.4166, 0.4076



Tritanopia

38.8269, 0.2370, 0.3074

Trichromacy



Original Color

38.8588, 0.2837, 0.5131



Protanomaly

36.1747, 0.3464, 0.4752



Deuteranomaly

35.3794, 0.3513, 0.4491



Tritanomaly

38.3272, 0.2534, 0.3774

Monochromacy



Original Color

38.8588, 0.2837, 0.5131



Achromatopsia

24.2281, 0.3127, 0.3290



Achromatomaly

27.8516, 0.2940, 0.3990

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.8588, 0.2837, 0.5131 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(41, 192, 87)` looks like.

```
.text, #text, p{  
    color:rgb(41, 192, 87)  
}
```

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(41, 192, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(41, 192, 87) }
```

Border

The CSS property to change the border of an element to Yxy 38.8588, 0.2837, 0.5131 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(41, 192, 87) }
```

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

```
.border{ border-color:rgb(41, 192, 87) }
```

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

Here you see how a box with a 4 pixel `rgb(41, 192, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(41, 192, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(41, 192, 87);  
box-shadow:4px 4px 4px 4px rgb(41, 192,  
87) }
```


Background

The CSS property to change the background color of an element to Yxy 38.8588, 0.2837, 0.5131 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(41, 192, 87) }
```

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

```
.background{ background-color: rgb(41, 192,  
87) }
```

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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