

Converting Colors

$Y_{xy}(37.8681, 0.2980, 0.5869)$

Have a look what the booklet for
Yxy(37.8681, 0.2980, 0.5869)
contains.

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Color

Yxy(37.8735, 0.2979, 0.5866)

Conversions

Conversions Part 1

Format	Color
Hex	0DC01D
RGB	13, 192, 29
RGB Percent	5%, 75%, 11%
CMY	0.9502, 0.2470, 0.8863
CMYK	0.93, 0.00, 0.85, 0.25
HSL	125°, 88%, 40%
HSV	125°, 93%, 75%
XYZ	19.2337, 37.8735, 7.4572
YIQ	119.8970, -54.3610, -88.6410

Conversions

Conversions Part 2

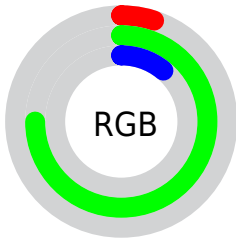
Format	Color
RYB	13, 177, 192
Decimal	901149
CIELab	67.93, -68.21, 62.87
CIElCh	68, 92.766, 137.330
Yxy	37.8735, 0.2979, 0.5866
Android (android.graphics.Color)	4279091229 (0xFF0DC01D)
YUV	119.8970, -44.8122, -93.7487
Hunter-Lab	61.5414, -51.9104, 35.8946

Details

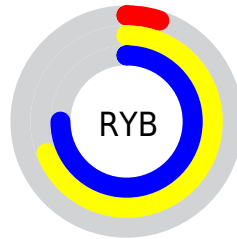
The Yxy color **37.8735, 0.2979, 0.5866** is a dark color, and the websafe version is hex **33CC33**. The color can be described as dark washed green. A complement of this color would be **14.6112, 0.3433, 0.1689**, and the grayscale version is **18.8768, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.0525, 0.3088, 0.5330**, and **17.8913, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **37.7451, 0.2984, 0.5941**, and if you desaturate by 10%, it is **38.2093, 0.2972, 0.5694**.

Distribution



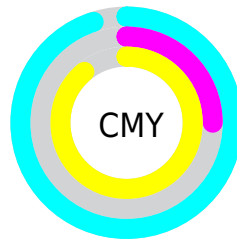
- Red (5%)
- Green (75%)
- Blue (11%)



- Red (5%)
- Yellow (69%)
- Blue (75%)



- Cyan (93%)
- Magenta (0%)
- Yellow (85%)
- Black (25%)





- Cyan (95%)
- Magenta (25%)
- Yellow (89%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.8735, 0.2979, 0.5866 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 37.8735, 0.2979, 0.5866 by changing the saturation by 10% instead.


 37.8735, 0.2979,
0.5866


 37.8735, 0.2979,
0.5866

337.0770, 0.3171,
0.4442

 25.8845, 0.2878,
0.6238


 71.9142, 0.3085,
0.5328


 16.7373, 0.2715,
0.6706


 94.7347, 0.3114,
0.5131

 10.0473, 0.2478,
0.7392


 121.9345, 0.3133,
0.4966

 5.4304, 0.1993,
0.8007

 153.8981, 0.3147,
0.4828

 2.5019, 0.0813,
0.9187

 191.0097, 0.3156,
0.4710

 0.8776, 0.0000,
1.0000


 233.6538, 0.3163,


 0.0000, 0.0000,


0.4608


0.0000

282.2148, 0.3168,
0.4519


 37.8735, 0.2979,
0.5866


 37.8735, 0.2979,
0.5866


 37.7451, 0.2984,
0.5941

 38.2093, 0.2972,
0.5694

 38.7784, 0.2973,
0.5452

 39.6157, 0.2981,
0.5158

 40.7489, 0.2997,
0.4834

 42.2024, 0.3017,
0.4502

■ 43.9980, 0.3042,
0.4179

■ 46.1556, 0.3068,
0.3879

■ 48.6935, 0.3094,
0.3607

■ 51.6290, 0.3119,
0.3365

Harmonies

Analogous

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



37.8735, 0.4132, 0.5517



37.8735, 0.2979, 0.5866



37.8735, 0.1916, 0.4781

Triad

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



37.8735, 0.2979, 0.5866



37.8735, 0.1234, 0.1544



37.8735, 0.5376, 0.2933

Complementary

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



37.8735, 0.2979, 0.5866



14.6112, 0.3433, 0.1689

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.



37.8735, 0.4152, 0.2236



37.8735, 0.2979, 0.5866



37.8735, 0.1757, 0.1482

Square

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



37.8735, 0.2979, 0.5866



37.8735, 0.1071, 0.1998



37.8735, 0.2747, 0.1721



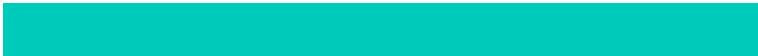
37.8735, 0.5697, 0.3706

Rectangle

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



37.8735, 0.2979, 0.5866



37.8735, 0.1421, 0.3607



37.8735, 0.2747, 0.1721



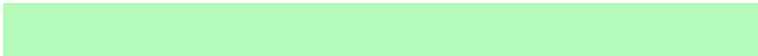
37.8735, 0.5044, 0.2689

Sweetspot

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



37.8751, 0.2979, 0.5866



81.5610, 0.3054, 0.4028



47.0863, 0.4044, 0.5137



17.1466, 0.3043, 0.4161



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.



37.8751, 0.2979, 0.5866



68.3697, 0.2987, 0.5952



39.0777, 0.2629, 0.4619



11.2734, 0.3104, 0.3506



25.4009, 0.2981, 0.5930



1.1027, 0.2915, 0.5693

Inverse Universe

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



14.6112, 0.3433, 0.1689



25.8626, 0.3457, 0.1678



12.1825, 0.5133, 0.2648



10.2312, 0.3151, 0.3083



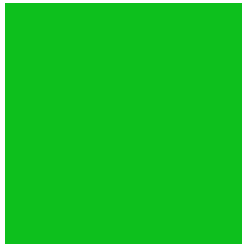
9.6178, 0.3449, 0.1674



0.4203, 0.3389, 0.1641

Previews

White Background



This preview shows how the Yxy color 37.8735, 0.2979, 0.5866 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 37.8735, 0.2979, 0.5866 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

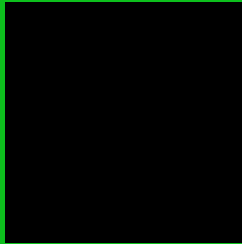
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.8735, 0.2979, 0.5866

Background



This preview shows how black text looks on a background with the Yxy color 37.8735, 0.2979, 0.5866.



This preview shows how white text looks on a background with the Yxy color 37.8735, 0.2979, 0.5866.

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

37.8735, 0.2979, 0.5866

Protanopia

37.2787, 0.4363, 0.4841

Deuteranopia

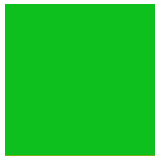
37.1290, 0.4556, 0.4461



Tritanopia

37.8398, 0.2365, 0.3071

Trichromacy



Original Color

37.8735, 0.2979, 0.5866



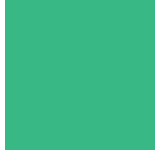
Protanomaly

34.8635, 0.3633, 0.5385



Deuteranomaly

33.7773, 0.3755, 0.5122



Tritanomaly

36.8152, 0.2617, 0.4188

Monochromacy



Original Color

37.8735, 0.2979, 0.5866



Achromatopsia

18.7821, 0.3127, 0.3290



Achromatomaly

22.9952, 0.3016, 0.4506

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.8735, 0.2979, 0.5866 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, 192, 29)` looks like.

```
.text, #text, p{  
    color:rgb(13, 192, 29)  
}
```

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, 192, 29) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(13, 192, 29) }
```

Border

The CSS property to change the border of an element to Yxy 37.8735, 0.2979, 0.5866 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, 192, 29) }
```

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

```
.border{ border-color:rgb(13, 192, 29) }
```

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

Here you see how a box with a 4 pixel `rgb(13, 192, 29)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(13, 192, 29); -webkit-box-  
shadow:4px 4px 4px 4px rgb(13, 192, 29);  
box-shadow:4px 4px 4px 4px rgb(13, 192,  
29) }
```


Background

The CSS property to change the background color of an element to Yxy 37.8735, 0.2979, 0.5866 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(13, 192, 29) }
```

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

```
.background{ background-color: rgb(13, 192,  
29) }
```

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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