

Converting Colors

$Y_{xy}(35.6938, 0.2937, 0.5772)$

Have a look what the booklet for
Yxy(35.6938, 0.2937, 0.5772)
contains.

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Color

Yxy(35.6938, 0.2938, 0.5777)

Conversions

Conversions Part 1

Format	Color
Hex	00BB28
RGB	0, 187, 40
RGB Percent	0%, 73%, 16%
CMY	1.0000, 0.2667, 0.8431
CMYK	1.00, 0.00, 0.79, 0.27
HSL	133°, 100%, 37%
HSV	133°, 100%, 73%
XYZ	18.1527, 35.6938, 7.9395
YIQ	114.3290, -64.2650, -85.3610

Conversions

Conversions Part 2

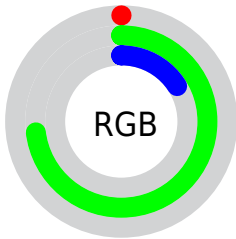
Format	Color
RYB	0, 154, 187
Decimal	47912
CIELab	66.29, -66.74, 58.32
CIELCh	66, 88.625, 138.852
Yxy	35.6938, 0.2938, 0.5777
Android (android.graphics.Color)	4278237992 (0xFF00BB28)
YUV	114.3290, -36.6442, -100.2665
Hunter-Lab	59.7443, -50.3170, 33.9419

Details

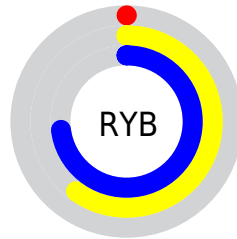
The Yxy color **35.6938, 0.2938, 0.5777** is a dark color, and the websafe version is hex **33CC33**. A complement of this color would be **12.6721, 0.3838, 0.1888**, and the grayscale version is **17.0588, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.8205, 0.3044, 0.5243**, and **16.5025, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **35.6956, 0.2938, 0.5777**, and if you desaturate by 10%, it is **35.9508, 0.2915, 0.5600**.

Distribution



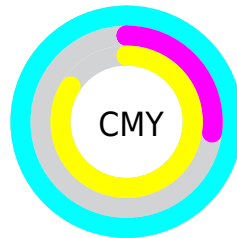
- Red (0%)
- Green (73%)
- Blue (16%)



- Red (0%)
- Yellow (60%)
- Blue (73%)



- Cyan (100%)
- Magenta (0%)
- Yellow (79%)
- Black (27%)





- Cyan (100%)
- Magenta (27%)
- Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.6938, 0.2938, 0.5777 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 35.6938, 0.2938, 0.5777 by changing the saturation by 10% instead.


 35.6938, 0.2938,
0.5777

 35.6938, 0.2938,
0.5777


327.6202, 0.3140,
0.4383


 24.1978, 0.2838,
0.6153


 68.5592, 0.3045,
0.5243

 15.4804, 0.2676,
0.6635


 90.6974, 0.3075,
0.5049


 9.1572, 0.2430,
0.7332


 117.1518, 0.3096,
0.4889

 4.8439, 0.1949,
0.8051

 148.3067, 0.3111,
0.4755

 2.1560, 0.0377,
0.9623

 184.5466, 0.3122,
0.4640

 0.6958, 0.0000,
1.0000

 226.2559, 0.3130,

 0.0000, 0.0000,

0.4542

0.0000

273.8190, 0.3136,
0.4457

■ 35.6938, 0.2938,
0.5777

■ 35.6938, 0.2938,
0.5777

■ 35.6956, 0.2938,
0.5777

■ 35.9508, 0.2915,
0.5600

■ 36.3778, 0.2901,
0.5374

■ 37.0277, 0.2899,
0.5108

■ 37.9273, 0.2910,
0.4820

■ 39.0994, 0.2933,
0.4524

■ 40.5642, 0.2964,
0.4235

■ 42.3401, 0.3001,
0.3963

■ 44.4438, 0.3042,
0.3713

■ 46.8908, 0.3085,
0.3489

Harmonies

Analogous

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



35.6938, 0.4073, 0.5517



35.6938, 0.2938, 0.5777



35.6938, 0.1902, 0.4654

Triad

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



35.6938, 0.2938, 0.5777



35.6938, 0.1283, 0.1565



35.6938, 0.5363, 0.2985

Complementary

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



35.6938, 0.2938, 0.5777



12.6721, 0.3838, 0.1888

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.



35.6938, 0.4201, 0.2289



35.6938, 0.2938, 0.5777



35.6938, 0.1822, 0.1518

Square

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



35.6938, 0.2938, 0.5777



35.6938, 0.1105, 0.1994



35.6938, 0.2820, 0.1769



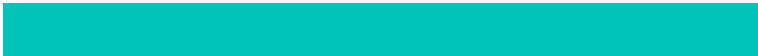
35.6938, 0.5636, 0.3756

Rectangle

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



35.6938, 0.2938, 0.5777



35.6938, 0.1429, 0.3521



35.6938, 0.2820, 0.1769



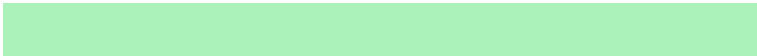
35.6938, 0.5053, 0.2742

Sweetspot

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



35.6956, 0.2938, 0.5777



75.6598, 0.3000, 0.3976



41.9888, 0.3843, 0.5330



16.3521, 0.2983, 0.4089



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



35.6956, 0.2938, 0.5777



63.8994, 0.2944, 0.5799



37.1784, 0.2527, 0.4298



10.6821, 0.3088, 0.3475



24.6023, 0.2933, 0.5759



0.9736, 0.2805, 0.5298

Inverse Universe

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



12.6721, 0.3838, 0.1888



22.6583, 0.3849, 0.1894



10.8518, 0.5765, 0.2949



9.6604, 0.3169, 0.3111



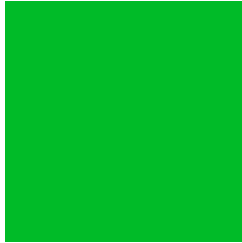
8.7417, 0.3828, 0.1883



0.3513, 0.3653, 0.1786

Previews

White Background



This preview shows how the Yxy color 35.6938, 0.2938, 0.5777 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 35.6938, 0.2938, 0.5777 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

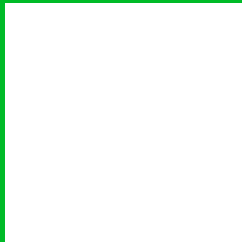
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 35.6938, 0.2938, 0.5777

Background



This preview shows how black text looks on a background with the Yxy color 35.6938, 0.2938, 0.5777.



This preview shows how white text looks on a background with the Yxy color 35.6938, 0.2938, 0.5777.

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

35.6938, 0.2938, 0.5777

Protanopia

34.9547, 0.4330, 0.4779

Deuteranopia

35.0214, 0.4504, 0.4411



Tritanopia

35.4807, 0.2356, 0.3065

Trichromacy



Original Color

35.6938, 0.2938, 0.5777



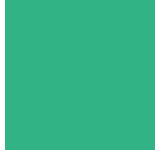
Protanomaly

32.5217, 0.3563, 0.5324



Deuteranomaly

31.6526, 0.3653, 0.5076



Tritanomaly

34.6144, 0.2570, 0.4101

Monochromacy



Original Color

35.6938, 0.2938, 0.5777



Achromatopsia

16.8269, 0.3127, 0.3290



Achromatomaly

21.1543, 0.2945, 0.4453

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.6938, 0.2938, 0.5777 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(0, 187, 40)` looks like.

```
.text, #text, p{  
    color:rgb(0, 187, 40)  
}
```

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(0, 187, 40) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 187, 40) }
```

Border

The CSS property to change the border of an element to Yxy 35.6938, 0.2938, 0.5777 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(0, 187, 40) }
```

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

```
.border{ border-color:rgb(0, 187, 40) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 187, 40)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 187, 40); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 187, 40);  
box-shadow:4px 4px 4px 4px rgb(0, 187, 40)  
}
```


Background

The CSS property to change the background color of an element to Yxy 35.6938, 0.2938, 0.5777 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 187, 40) }
```

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

```
.background{ background-color: rgb(0, 187,  
40) }
```

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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