

Converting Colors

$Y_{xy}(34.3355, 0.2556, 0.5582)$

Have a look what the booklet for
Yxy(34.3355, 0.2556, 0.5582)
contains.

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Color

Yxy(35.9703, 0.2838, 0.5418)

Conversions

Conversions Part 1

Format	Color
Hex	00BB45
RGB	0, 187, 69
RGB Percent	0%, 73%, 27%
CMY	1.0000, 0.2666, 0.7294
CMYK	1.00, 0.00, 0.63, 0.27
HSL	142°, 100%, 37%
HSV	142°, 100%, 73%
XYZ	18.8416, 35.9703, 11.5785
YIQ	117.6350, -73.5740, -76.3420

Conversions

Conversions Part 2

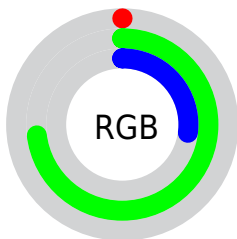
Format	Color
RYB	0, 137, 187
Decimal	47941
CIELab	66.50, -64.05, 47.48
CIELCh	66, 79.733, 143.450
Yxy	35.9703, 0.2838, 0.5418
Android (android.graphics.Color)	4278238021 (0xFF00BB45)
YUV	117.6350, -23.9771, -103.1659
Hunter-Lab	59.9752, -48.8798, 30.5365

Details

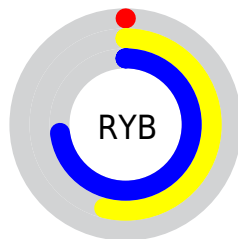
The Yxy color **35.9703, 0.2838, 0.5418** is a dark color, and the websafe version is hex **00CC66**. A complement of this color would be **11.8741, 0.4416, 0.2206**, and the grayscale version is **18.0914, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.2820, 0.2945, 0.4959**, and **16.5267, 0.2978, 0.5922** is the 20% darker color. If you saturate the color by 10%, you get **35.9736, 0.2838, 0.5418**, and if you desaturate by 10%, it is **36.2705, 0.2808, 0.5219**.

Distribution



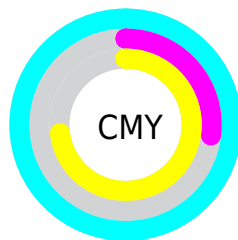
- Red (0%)
- Green (73%)
- Blue (27%)



- Red (0%)
- Yellow (54%)
- Blue (73%)



- Cyan (100%)
- Magenta (0%)
- Yellow (63%)
- Black (27%)




- Cyan (100%)
- Magenta (27%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.9703, 0.2838, 0.5418 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 35.9703, 0.2838, 0.5418 by changing the saturation by 10% instead.


 35.9703, 0.2838,
0.5418


 35.9703, 0.2838,
0.5418


328.8307, 0.3059,
0.4217


 24.4113, 0.2749,
0.5756


 68.9862, 0.2941,
0.4951


 15.6390, 0.2612,
0.6206


 91.2119, 0.2973,
0.4784


 9.2690, 0.2387,
0.6816


 117.7619, 0.2996,
0.4647

 4.9171, 0.2072,
0.7928

 149.0206, 0.3015,
0.4532

 2.1987, 0.0727,
0.9273

 185.3725, 0.3029,
0.4435

 0.7193, 0.0000,
1.0000

227.2018, 0.3041,

 0.0000, 0.0000,

0.4352

0.0000

274.8931, 0.3051,
0.4280

■ 35.9703, 0.2838,
0.5418

■ 35.9703, 0.2838,
0.5418

■ 35.9736, 0.2838,
0.5418

■ 36.2705, 0.2808,
0.5219

■ 36.7280, 0.2790,
0.4997

■ 37.3953, 0.2790,
0.4758

■ 38.2975, 0.2808,
0.4514

■ 39.4561, 0.2841,
0.4273

■ 40.8898, 0.2886,
0.4041

■ 42.6158, 0.2940,
0.3825

■ 44.6496, 0.3000,
0.3627

■ 47.0058, 0.3063,
0.3449

Harmonies

Analogous

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



35.9703, 0.3897, 0.5426



35.9703, 0.2838, 0.5418



35.9703, 0.1908, 0.4275

Triad

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



35.9703, 0.2838, 0.5418



35.9703, 0.1468, 0.1670



35.9703, 0.5245, 0.3148

Complementary

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



35.9703, 0.2838, 0.5418



11.8741, 0.4416, 0.2206

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.



35.9703, 0.4292, 0.2470



35.9703, 0.2838, 0.5418



35.9703, 0.2044, 0.1664

Square

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



35.9703, 0.2838, 0.5418



35.9703, 0.1252, 0.2024



35.9703, 0.3036, 0.1943



35.9703, 0.5397, 0.3898

Rectangle

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



35.9703, 0.2838, 0.5418



35.9703, 0.1501, 0.3304



35.9703, 0.3036, 0.1943



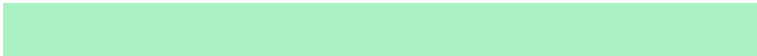
35.9703, 0.5003, 0.2912

Sweetspot

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



35.9736, 0.2838, 0.5418



76.1551, 0.2937, 0.3835



39.4263, 0.3564, 0.5553



16.4703, 0.2914, 0.3925



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.



35.9736, 0.2838, 0.5418



64.3808, 0.2846, 0.5446



38.1552, 0.2365, 0.3713



10.7063, 0.3067, 0.3438



24.7967, 0.2832, 0.5395



0.9840, 0.2692, 0.4889

Inverse Universe

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



11.8741, 0.4416, 0.2206



21.2173, 0.4440, 0.2219



10.6357, 0.6229, 0.3205



9.6349, 0.3192, 0.3146



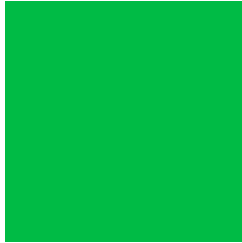
8.1949, 0.4397, 0.2196



0.3332, 0.4043, 0.2001

Previews

White Background



This preview shows how the Yxy color 35.9703, 0.2838, 0.5418 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 35.9703, 0.2838, 0.5418 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 35.9703, 0.2838, 0.5418

Background



This preview shows how black text looks on a background with the Yxy color 35.9703, 0.2838, 0.5418.



This preview shows how white text looks on a background with the Yxy color 35.9703, 0.2838, 0.5418.

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

35.9703, 0.2838, 0.5418

Protanopia

35.4104, 0.4171, 0.4590

Deuteranopia

35.3527, 0.4309, 0.4221



Tritanopia

35.8299, 0.2346, 0.3066

Trichromacy



Original Color

35.9703, 0.2838, 0.5418



Protanomaly

32.6970, 0.3425, 0.5036



Deuteranomaly

31.8539, 0.3495, 0.4771



Tritanomaly

34.9129, 0.2503, 0.3892

Monochromacy



Original Color

35.9703, 0.2838, 0.5418



Achromatopsia

18.1164, 0.3127, 0.3290



Achromatomaly

22.0609, 0.2856, 0.4193

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.9703, 0.2838, 0.5418 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, 69)` looks like.

```
.text, #text, p{  
    color:rgb(0, 187, 69)  
}
```

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, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 187, 69) }
```

Border

The CSS property to change the border of an element to Yxy 35.9703, 0.2838, 0.5418 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, 69) }
```

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

```
.border{ border-color:rgb(0, 187, 69) }
```

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, 69)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 187, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 187, 69);  
box-shadow:4px 4px 4px 4px rgb(0, 187, 69)  
}
```


Background

The CSS property to change the background color of an element to Yxy 35.9703, 0.2838, 0.5418 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, 69) }
```

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

```
.background{ background-color: rgb(0, 187,  
69) }
```

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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