

Converting Colors

$Yxy(34.9889, 0.2620, 0.5543)$

Have a look what the booklet for
Yxy(34.9889, 0.2620, 0.5543)
contains.

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Color

Yxy(36.4086, 0.2836, 0.5409)

Conversions

Conversions Part 1

Format	Color
Hex	00BC46
RGB	0, 188, 70
RGB Percent	0%, 74%, 27%
CMY	0.9995, 0.2627, 0.7255
CMYK	1.00, 0.00, 0.63, 0.26
HSL	142°, 100%, 37%
HSV	142°, 100%, 74%
XYZ	19.0894, 36.4086, 11.8131
YIQ	118.3360, -74.1700, -76.5540

Conversions

Conversions Part 2

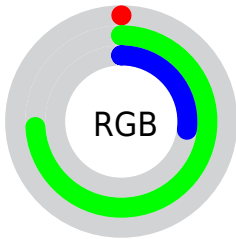
Format	Color
RYB	0, 137, 188
Decimal	48198
CIELab	66.83, -64.22, 47.42
CIELCh	67, 79.831, 143.555
Yxy	36.4086, 0.2836, 0.5409
Android (android.graphics.Color)	4278238278 (0xFF00BC46)
YUV	118.3360, -23.8296, -103.7807
Hunter-Lab	60.3395, -49.1227, 30.6300

Details

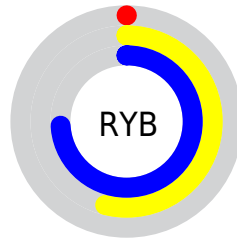
The Yxy color **36.4086, 0.2836, 0.5409** is a dark color, and the websafe version is hex **00CC66**. A complement of this color would be **12.0058, 0.4427, 0.2213**, and the grayscale version is **18.3340, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.9133, 0.2941, 0.4954**, and **16.8016, 0.2977, 0.5916** is the 20% darker color. If you saturate the color by 10%, you get **36.4082, 0.2836, 0.5410**, and if you desaturate by 10%, it is **36.7111, 0.2805, 0.5210**.

Distribution



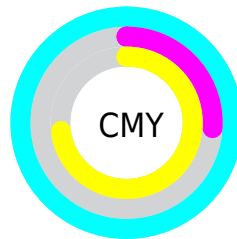
- Red (0%)
- Green (74%)
- Blue (27%)



- Red (0%)
- Yellow (54%)
- Blue (74%)



- Cyan (100%)
- Magenta (0%)
- Yellow (63%)
- Black (26%)





- Cyan (100%)
- Magenta (26%)
- Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 36.4086, 0.2836, 0.5409 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 36.4086, 0.2836, 0.5409 by changing the saturation by 10% instead.

 36.4086, 0.2836,
0.5409


 36.4086, 0.2836,
0.5409


330.7429, 0.3057,
0.4215

 24.7499, 0.2748,
0.5744


 69.6623, 0.2939,
0.4945


 15.8908, 0.2612,
0.6190


 92.0261, 0.2970,
0.4779

 9.4469, 0.2390,
0.6795


 118.7270, 0.2994,
0.4643

 5.0338, 0.2086,
0.7914

 150.1495, 0.3013,
0.4529

 2.2671, 0.0823,
0.9177

 186.6779, 0.3027,
0.4432

 0.7562, 0.0000,
1.0000

228.6967, 0.3039,

 0.0000, 0.0000,

0.4349

0.0000

276.5903, 0.3049,
0.4278

■ 36.4086, 0.2836,
0.5409

■ 36.4086, 0.2836,
0.5409

■ 36.4082, 0.2836,
0.5410

■ 36.7111, 0.2805,
0.5210

■ 37.1753, 0.2788,
0.4988

■ 37.8518, 0.2788,
0.4751

■ 38.7661, 0.2806,
0.4507

■ 39.9397, 0.2839,
0.4267

■ 41.3918, 0.2885,
0.4037

■ 43.1396, 0.2939,
0.3822

■ 45.1989, 0.2999,
0.3625

■ 47.5843, 0.3063,
0.3447

Harmonies

Analogous

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



36.4086, 0.3892, 0.5423



36.4086, 0.2836, 0.5409



36.4086, 0.1908, 0.4267

Triad

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



36.4086, 0.2836, 0.5409



36.4086, 0.1473, 0.1673



36.4086, 0.5241, 0.3152

Complementary

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



36.4086, 0.2836, 0.5409



12.0058, 0.4427, 0.2213

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.



36.4086, 0.4293, 0.2474



36.4086, 0.2836, 0.5409



36.4086, 0.2049, 0.1668

Square

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



36.4086, 0.2836, 0.5409



36.4086, 0.1255, 0.2026



36.4086, 0.3040, 0.1948



36.4086, 0.5391, 0.3901

Rectangle

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



36.4086, 0.2836, 0.5409



36.4086, 0.1503, 0.3299



36.4086, 0.3040, 0.1948



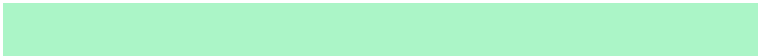
36.4086, 0.5000, 0.2916

Sweetspot

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



36.4101, 0.2836, 0.5409



77.9904, 0.2936, 0.3833



39.8976, 0.3564, 0.5552



16.4726, 0.2912, 0.3922



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.



36.4101, 0.2836, 0.5409



65.9396, 0.2844, 0.5439



38.6107, 0.2365, 0.3713



10.7067, 0.3067, 0.3438



24.8014, 0.2830, 0.5387



0.9843, 0.2689, 0.4882

Inverse Universe

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



12.0058, 0.4427, 0.2213



21.7021, 0.4452, 0.2226



10.7654, 0.6228, 0.3205



9.6345, 0.3193, 0.3147



8.1861, 0.4408, 0.2202



0.3329, 0.4051, 0.2005

Previews

White Background



This preview shows how the Yxy color 36.4086, 0.2836, 0.5409 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 36.4086, 0.2836, 0.5409 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 36.4086, 0.2836, 0.5409

Background



This preview shows how black text looks on a background with the Yxy color 36.4086, 0.2836, 0.5409.



This preview shows how white text looks on a background with the Yxy color 36.4086, 0.2836, 0.5409.

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

36.4086, 0.2836, 0.5409

Protanopia

35.8918, 0.4167, 0.4586

Deuteranopia

35.8325, 0.4302, 0.4217



Tritanopia

36.2642, 0.2345, 0.3067

Trichromacy



Original Color

36.4086, 0.2836, 0.5409



Protanomaly

33.1523, 0.3425, 0.5027



Deuteranomaly

32.3063, 0.3493, 0.4763



Tritanomaly

35.3462, 0.2501, 0.3889

Monochromacy



Original Color

36.4086, 0.2836, 0.5409



Achromatopsia

18.1164, 0.3127, 0.3290



Achromatomaly

22.0804, 0.2848, 0.4171

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.4086, 0.2836, 0.5409 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, 188, 70)` looks like.

```
.text, #text, p{  
    color:rgb(0, 188, 70)  
}
```

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, 188, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 188, 70) }
```

Border

The CSS property to change the border of an element to Yxy 36.4086, 0.2836, 0.5409 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, 188, 70) }
```

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

```
.border{ border-color:rgb(0, 188, 70) }
```

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

Here you see how a box with a 4 pixel rgb(0, 188, 70) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 188, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 188, 70);  
box-shadow:4px 4px 4px 4px rgb(0, 188, 70)  
}
```


Background

The CSS property to change the background color of an element to Yxy 36.4086, 0.2836, 0.5409 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 188, 70) }
```

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

```
.background{ background-color: rgb(0, 188,  
70) }
```

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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