

Converting Colors

$Yxy(31.2411, 0.2345, 0.6199)$

Have a look what the booklet for
Yxy(31.2411, 0.2345, 0.6199)
contains.

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Color

Yxy(34.0135, 0.2938, 0.5776)

Conversions

Conversions Part 1

Format	Color
Hex	00B727
RGB	0, 183, 39
RGB Percent	0%, 72%, 15%
CMY	0.9994, 0.2823, 0.8470
CMYK	1.00, 0.00, 0.79, 0.28
HSL	133°, 100%, 36%
HSV	133°, 100%, 72%
XYZ	17.3012, 34.0135, 7.5730
YIQ	111.8670, -62.8440, -83.5800

Conversions

Conversions Part 2

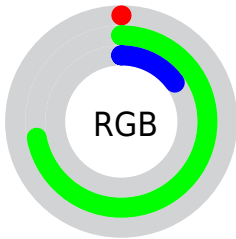
Format	Color
RYB	0, 151, 183
Decimal	46887
CIELab	64.97, -65.66, 57.36
CIElCh	65, 87.183, 138.858
Yxy	34.0135, 0.2938, 0.5776
Android (android.graphics.Color)	4278236967 (0xFF00B727)
YUV	111.8670, -35.9234, -98.1074
Hunter-Lab	58.3211, -49.1092, 33.1260

Details

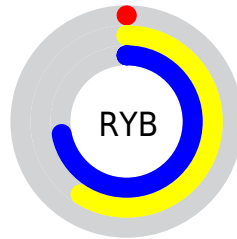
The Yxy color **34.0135, 0.2938, 0.5776** is a dark color, and the websafe version is hex **33CC33**. A complement of this color would be **12.0891, 0.3831, 0.1885**, and the grayscale version is **16.2984, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.7431, 0.3049, 0.5238**, and **15.4383, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **34.0131, 0.2938, 0.5777**, and if you desaturate by 10%, it is **34.2613, 0.2916, 0.5599**.

Distribution



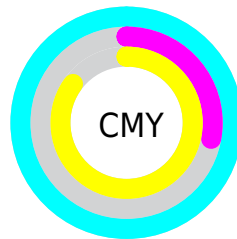
- Red (0%)
- Green (72%)
- Blue (15%)



- Red (0%)
- Yellow (59%)
- Blue (72%)



- Cyan (100%)
- Magenta (0%)
- Yellow (79%)
- Black (28%)





- Cyan (100%)
- Magenta (28%)
- Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.0135, 0.2938, 0.5776 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 34.0135, 0.2938, 0.5776 by changing the saturation by 10% instead.


 34.0135, 0.2938,
0.5776


 34.0135, 0.2938,
0.5776


320.1922, 0.3141,
0.4372

 22.9040, 0.2836,
0.6159


 65.9547, 0.3047,
0.5235

 14.5226, 0.2669,
0.6652


 87.5551, 0.3076,
0.5040

 8.4850, 0.2424,
0.7397


 113.4213, 0.3097,
0.4879

 4.4069, 0.1907,
0.8093

 143.9376, 0.3112,
0.4744

 1.9037, 0.0000,
1.0000

 179.4884, 0.3122,
0.4630

 0.5506, 0.0000,
1.0000

 220.4582, 0.3130,

 0.0000, 0.0000,

0.4531

0.0000

267.2314, 0.3136,
0.4446

■ 34.0135, 0.2938,
0.5776

■ 34.0135, 0.2938,
0.5776

■ 34.0131, 0.2938,
0.5777

■ 34.2613, 0.2916,
0.5599

■ 34.6715, 0.2901,
0.5372

■ 35.2941, 0.2900,
0.5106

■ 36.1545, 0.2911,
0.4817

■ 37.2743, 0.2934,
0.4521

■ 38.6726, 0.2965,
0.4233

■ 40.3669, 0.3003,
0.3961

■ 42.3729, 0.3043,
0.3711

■ 44.7054, 0.3085,
0.3487

Harmonies

Analogous

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



34.0135, 0.4073, 0.5516



34.0135, 0.2938, 0.5776



34.0135, 0.1903, 0.4653

Triad

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



34.0135, 0.2938, 0.5776



34.0135, 0.1283, 0.1566



34.0135, 0.5362, 0.2985

Complementary

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



34.0135, 0.2938, 0.5776



12.0891, 0.3831, 0.1885

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.



34.0135, 0.4201, 0.2290



34.0135, 0.2938, 0.5776



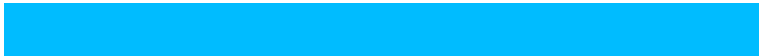
34.0135, 0.1822, 0.1519

Square

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



34.0135, 0.2938, 0.5776



34.0135, 0.1106, 0.1994



34.0135, 0.2820, 0.1769



34.0135, 0.5636, 0.3756

Rectangle

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



34.0135, 0.2938, 0.5776



34.0135, 0.1430, 0.3521



34.0135, 0.2820, 0.1769



34.0135, 0.5052, 0.2743

Sweetspot

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



34.0149, 0.2938, 0.5776



72.1040, 0.3000, 0.3976



40.0184, 0.3844, 0.5329



15.6322, 0.2984, 0.4088



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



34.0149, 0.2938, 0.5776



60.8889, 0.2944, 0.5800



35.4308, 0.2527, 0.4295



10.0905, 0.3088, 0.3475



23.7363, 0.2933, 0.5760



0.8459, 0.2797, 0.5268

Inverse Universe

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



12.0891, 0.3831, 0.1885



21.6080, 0.3844, 0.1891



10.3468, 0.5758, 0.2947



9.1292, 0.3169, 0.3112



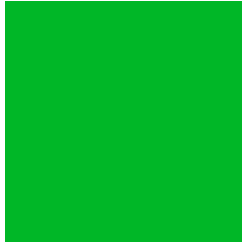
8.4407, 0.3823, 0.1880



0.3059, 0.3636, 0.1777

Previews

White Background



This preview shows how the Yxy color 34.0135, 0.2938, 0.5776 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 34.0135, 0.2938, 0.5776 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 34.0135, 0.2938, 0.5776

Background



This preview shows how black text looks on a background with the Yxy color 34.0135, 0.2938, 0.5776.



This preview shows how white text looks on a background with the Yxy color 34.0135, 0.2938, 0.5776.

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

34.0135, 0.2938, 0.5776

Protanopia

33.4483, 0.4324, 0.4785

Deuteranopia

33.5065, 0.4501, 0.4409



Tritanopia

33.7466, 0.2359, 0.3061

Trichromacy



Original Color

34.0135, 0.2938, 0.5776



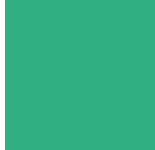
Protanomaly

30.8385, 0.3561, 0.5325



Deuteranomaly

30.0715, 0.3663, 0.5063



Tritanomaly

32.9270, 0.2571, 0.4100

Monochromacy



Original Color

34.0135, 0.2938, 0.5776



Achromatopsia

16.2029, 0.3127, 0.3290



Achromatomaly

20.1724, 0.2943, 0.4455

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.0135, 0.2938, 0.5776 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, 183, 39)` looks like.

```
.text, #text, p{  
    color:rgb(0, 183, 39)  
}
```

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, 183, 39) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 183, 39) }
```

Border

The CSS property to change the border of an element to Yxy 34.0135, 0.2938, 0.5776 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, 183, 39) }
```

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

```
.border{ border-color:rgb(0, 183, 39) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 183, 39)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 183, 39); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 183, 39);  
box-shadow:4px 4px 4px 4px rgb(0, 183, 39)  
}
```


Background

The CSS property to change the background color of an element to Yxy 34.0135, 0.2938, 0.5776 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 183, 39) }
```

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

```
.background{ background-color: rgb(0, 183,  
39) }
```

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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