

Converting Colors

$Yxy(36.5167, 0.2903, 0.5651)$

Have a look what the booklet for
Yxy(36.5167, 0.2903, 0.5651)
contains.

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Color

Yxy(36.6431, 0.2904, 0.5656)

Conversions

Conversions Part 1

Format	Color
Hex	00BD34
RGB	0, 189, 52
RGB Percent	0%, 74%, 20%
CMY	1.0000, 0.2588, 0.7961
CMYK	1.00, 0.00, 0.72, 0.26
HSL	137°, 100%, 37%
HSV	137°, 100%, 74%
XYZ	18.8139, 36.6431, 9.3292
YIQ	116.8710, -68.6670, -82.6750

Conversions

Conversions Part 2

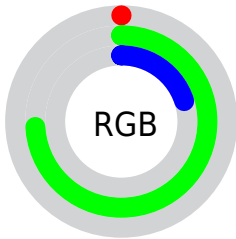
Format	Color
RYB	0, 148, 189
Decimal	48436
CIELab	67.01, -66.40, 54.95
CIELCh	67, 86.186, 140.391
Yxy	36.6431, 0.2904, 0.5656
Android (android.graphics.Color)	4278238516 (0xFF00BD34)
YUV	116.8710, -31.9814, -102.4959
Hunter-Lab	60.5335, -50.4556, 33.2359

Details

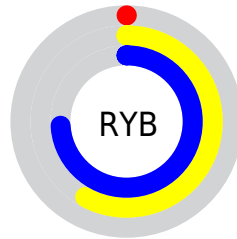
The Yxy color **36.6431, 0.2904, 0.5656** is a dark color, and the websafe version is hex **33CC33**. A complement of this color would be **12.6264, 0.4055, 0.2008**, and the grayscale version is **17.8655, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.2148, 0.3010, 0.5153**, and **17.0502, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **36.6469, 0.2904, 0.5656**, and if you desaturate by 10%, it is **36.9263, 0.2877, 0.5464**.

Distribution



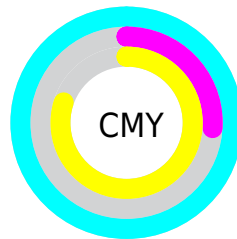
- Red (0%)
- Green (74%)
- Blue (20%)



- Red (0%)
- Yellow (58%)
- Blue (74%)



- Cyan (100%)
- Magenta (0%)
- Yellow (72%)
- Black (26%)




- Cyan (100%)
- Magenta (26%)
- Yellow (80%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 36.6431, 0.2904, 0.5656 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 36.6431, 0.2904, 0.5656 by changing the saturation by 10% instead.


 36.6431, 0.2904,
0.5656


 36.6431, 0.2904,
0.5656


 331.7628, 0.3111,
0.4330

 24.9313, 0.2810,
0.6018


 70.0235, 0.3009,
0.5146


 16.0259, 0.2659,
0.6488


 92.4609, 0.3038,
0.4962

 9.5425, 0.2416,
0.7121


 119.2423, 0.3060,
0.4810

 5.0967, 0.2008,
0.7992

 150.7521, 0.3076,
0.4682

 2.3041, 0.0682,
0.9318

 187.3746, 0.3088,
0.4574

 0.7759, 0.0000,
1.0000


 229.4943, 0.3098,

 0.0000, 0.0000,


0.4481

0.0000

277.4955, 0.3105,
0.4400


 36.6431, 0.2904,
0.5656


 36.6431, 0.2904,
0.5656


 36.6469, 0.2904,
0.5656

 36.9263, 0.2877,
0.5464

 37.3777, 0.2859,
0.5234

 38.0523, 0.2857,
0.4976

 38.9767, 0.2870,
0.4702

 40.1738, 0.2896,
0.4426

■ 41.6636, 0.2933,
0.4159

■ 43.4644, 0.2977,
0.3909

■ 45.5928, 0.3026,
0.3680

■ 48.0644, 0.3076,
0.3473

Harmonies

Analogous

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



36.6431, 0.4013, 0.5493



36.6431, 0.2904, 0.5656



36.6431, 0.1903, 0.4517

Triad

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



36.6431, 0.2904, 0.5656



36.6431, 0.1345, 0.1600



36.6431, 0.5325, 0.3042

Complementary

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



36.6431, 0.2904, 0.5656



12.6264, 0.4055, 0.2008

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.



36.6431, 0.4236, 0.2352



36.6431, 0.2904, 0.5656



36.6431, 0.1897, 0.1567

Square

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



36.6431, 0.2904, 0.5656



36.6431, 0.1154, 0.2003



36.6431, 0.2896, 0.1828



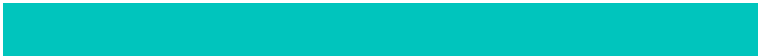
36.6431, 0.5555, 0.3807

Rectangle

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



36.6431, 0.2904, 0.5656



36.6431, 0.1453, 0.3441



36.6431, 0.2896, 0.1828



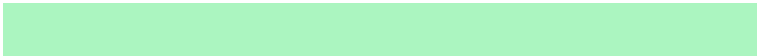
36.6431, 0.5039, 0.2801

Sweetspot

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



36.6469, 0.2904, 0.5656



77.6687, 0.2975, 0.3921



41.8542, 0.3728, 0.5422



16.3975, 0.2956, 0.4024



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.



36.6469, 0.2904, 0.5656



65.5933, 0.2911, 0.5681



38.4405, 0.2461, 0.4060



10.6916, 0.3079, 0.3461



24.6659, 0.2898, 0.5634



0.9777, 0.2758, 0.5129

Inverse Universe

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



12.6264, 0.4055, 0.2008



22.5690, 0.4071, 0.2016



11.0026, 0.5985, 0.3070



9.6503, 0.3178, 0.3125



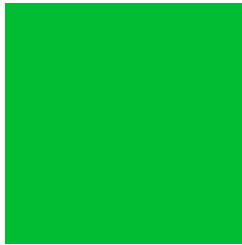
8.5080, 0.4042, 0.2000



0.3438, 0.3800, 0.1867

Previews

White Background



This preview shows how the Yxy color 36.6431, 0.2904, 0.5656 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 36.6431, 0.2904, 0.5656 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 36.6431, 0.2904, 0.5656

Background



This preview shows how black text looks on a background with the Yxy color 36.6431, 0.2904, 0.5656.



This preview shows how white text looks on a background with the Yxy color 36.6431, 0.2904, 0.5656.

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

36.6431, 0.2904, 0.5656

Protanopia

35.9752, 0.4280, 0.4711

Deuteranopia

35.9104, 0.4435, 0.4352



Tritanopia

36.4320, 0.2352, 0.3053

Trichromacy



Original Color

36.6431, 0.2904, 0.5656



Protanomaly

33.4315, 0.3515, 0.5225



Deuteranomaly

32.5529, 0.3598, 0.4977



Tritanomaly

35.6193, 0.2545, 0.4016

Monochromacy



Original Color

36.6431, 0.2904, 0.5656



Achromatopsia

17.7888, 0.3127, 0.3290



Achromatomaly

21.8911, 0.2906, 0.4350

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.6431, 0.2904, 0.5656 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, 189, 52)` looks like.

```
.text, #text, p{  
    color:rgb(0, 189, 52)  
}
```

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, 189, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 189, 52) }
```

Border

The CSS property to change the border of an element to Yxy 36.6431, 0.2904, 0.5656 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, 189, 52) }
```

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

```
.border{ border-color:rgb(0, 189, 52) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 189, 52)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 189, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 189, 52);  
box-shadow:4px 4px 4px 4px rgb(0, 189, 52)  
}
```


Background

The CSS property to change the background color of an element to Yxy 36.6431, 0.2904, 0.5656 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 189, 52) }
```

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

```
.background{ background-color: rgb(0, 189,  
52) }
```

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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