

Converting Colors

$Y_{xy}(36.5925, 0.3051, 0.5827)$

Have a look what the booklet for
Yxy(36.5925, 0.3051, 0.5827)
contains.

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Color

Yxy(36.5333, 0.3051, 0.5829)

Conversions

Conversions Part 1

Format	Color
Hex	2ABC1A
RGB	42, 188, 26
RGB Percent	16%, 74%, 10%
CMY	0.8356, 0.2627, 0.8981
CMYK	0.78, 0.00, 0.86, 0.26
HSL	114°, 76%, 42%
HSV	114°, 86%, 74%
XYZ	19.1222, 36.5333, 7.0196
YIQ	125.8780, -35.0140, -81.3340

Conversions

Conversions Part 2

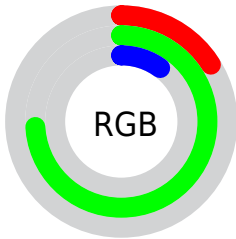
Format	Color
RYB	26, 188, 172
Decimal	2800666
CIELab	66.93, -64.46, 62.78
CIELCh	67, 89.979, 135.756
Yxy	36.5333, 0.3051, 0.5829
Android (android.graphics.Color)	4280990746 (0xFF2ABC1A)
YUV	125.8780, -49.2399, -73.5610
Hunter-Lab	60.4428, -49.3032, 35.4242

Details

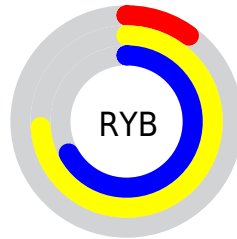
The Yxy color **36.5333, 0.3051, 0.5829** is a dark color, and the websafe version is hex **33CC33**. A complement of this color would be **13.1470, 0.2997, 0.1488**, and the grayscale version is **20.9932, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.5868, 0.3147, 0.5295**, and **16.7751, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **36.1917, 0.3028, 0.5949**, and if you desaturate by 10%, it is **37.0835, 0.3074, 0.5628**.

Distribution



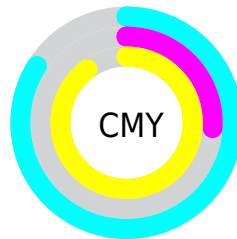
- Red (16%)
- Green (74%)
- Blue (10%)



- Red (10%)
- Yellow (74%)
- Blue (67%)



- Cyan (78%)
- Magenta (0%)
- Yellow (86%)
- Black (26%)





- Cyan (84%)
- Magenta (26%)
- Yellow (90%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.5333, 0.3051, 0.5829 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 36.5333, 0.3051, 0.5829 by changing the saturation by 10% instead.


 36.5333, 0.3051,
0.5829

 36.5333, 0.3051,
0.5829


331.2855, 0.3206,
0.4424


 24.8464, 0.2958,
0.6195


 69.8544, 0.3144,
0.5299


 15.9626, 0.2803,
0.6655


 92.2574, 0.3168,
0.5104

 9.4977, 0.2586,
0.7366


 119.0011, 0.3183,
0.4942

 5.0672, 0.2082,
0.7918

 150.4700, 0.3192,
0.4805

 2.2868, 0.0832,
0.9168

 187.0486, 0.3199,
0.4688

 0.7667, 0.0000,
1.0000

 229.1210, 0.3203,

 0.0000, 0.0000,

0.4588

0.0000

277.0719, 0.3205,
0.4501

■ 36.5333, 0.3051,
0.5829

■ 36.5333, 0.3051,
0.5829

■ 36.1917, 0.3028,
0.5949

■ 37.0835, 0.3074,
0.5628

■ 36.1030, 0.3023,
0.5982

■ 37.8646, 0.3094,
0.5358

■ 38.9004, 0.3110,
0.5038

■ 40.2106, 0.3122,
0.4694

■ 41.8130, 0.3129,
0.4349

■ 43.7237, 0.3132,
0.4019

■ 45.9579, 0.3132,
0.3716

■ 48.5296, 0.3129,
0.3443

■ 51.4519, 0.3126,
0.3202

Harmonies

Analogous

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



36.5333, 0.4188, 0.5449



36.5333, 0.3051, 0.5829



36.5333, 0.1986, 0.4836

Triad

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



36.5333, 0.3051, 0.5829



36.5333, 0.1240, 0.1580



36.5333, 0.5293, 0.2905

Complementary

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



36.5333, 0.3051, 0.5829



13.1470, 0.2997, 0.1488

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.



36.5333, 0.4060, 0.2219



36.5333, 0.3051, 0.5829



36.5333, 0.1739, 0.1500

Square

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



36.5333, 0.3051, 0.5829



36.5333, 0.1096, 0.2059



36.5333, 0.2691, 0.1722



36.5333, 0.5668, 0.3670

Rectangle

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



36.5333, 0.3051, 0.5829



36.5333, 0.1478, 0.3692



36.5333, 0.2691, 0.1722



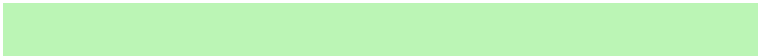
36.5333, 0.4951, 0.2664

Sweetspot

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



36.5348, 0.3051, 0.5829



79.1436, 0.3132, 0.4027



40.1977, 0.4310, 0.4861



16.7488, 0.3131, 0.4139



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.



36.5348, 0.3051, 0.5829



65.3792, 0.3018, 0.5985



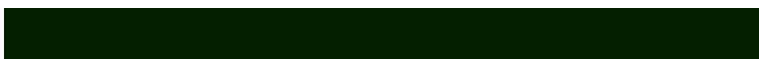
36.9407, 0.2774, 0.5051



10.6933, 0.3130, 0.3526



24.5942, 0.3027, 0.5979



0.9786, 0.3121, 0.5904

Inverse Universe

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



13.1470, 0.2997, 0.1488



21.9069, 0.2958, 0.1403



12.8654, 0.4292, 0.2236



9.6473, 0.3122, 0.3063



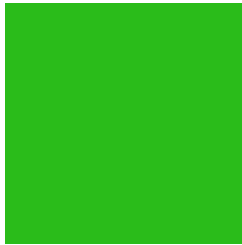
8.2709, 0.2966, 0.1407



0.3379, 0.3028, 0.1442

Previews

White Background



This preview shows how the Yxy color 36.5333, 0.3051, 0.5829 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 36.5333, 0.3051, 0.5829 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 36.5333, 0.3051, 0.5829

Background



This preview shows how black text looks on a background with the Yxy color 36.5333, 0.3051, 0.5829.



This preview shows how white text looks on a background with the Yxy color 36.5333, 0.3051, 0.5829.

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

36.5333, 0.3051, 0.5829

Protanopia

35.8294, 0.4372, 0.4846

Deuteranopia

35.6842, 0.4574, 0.4468



Tritanopia

36.3603, 0.2401, 0.3069

Trichromacy



Original Color

36.5333, 0.3051, 0.5829



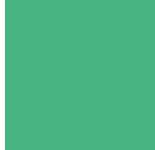
Protanomaly

34.0053, 0.3755, 0.5308



Deuteranomaly

33.3482, 0.3872, 0.5063



Tritanomaly

35.5938, 0.2690, 0.4172

Monochromacy



Original Color

36.5333, 0.3051, 0.5829



Achromatopsia

20.8637, 0.3127, 0.3290



Achromatomaly

24.6660, 0.3119, 0.4444

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.5333, 0.3051, 0.5829 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(42, 188, 26)` looks like.

```
.text, #text, p{  
    color:rgb(42, 188, 26)  
}
```

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(42, 188, 26) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 188, 26) }
```

Border

The CSS property to change the border of an element to Yxy 36.5333, 0.3051, 0.5829 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(42, 188, 26) }
```

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

```
.border{ border-color:rgb(42, 188, 26) }
```

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

Here you see how a box with a 4 pixel `rgb(42, 188, 26)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 188, 26); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 188, 26);  
box-shadow:4px 4px 4px 4px rgb(42, 188,  
26) }
```


Background

The CSS property to change the background color of an element to Yxy 36.5333, 0.3051, 0.5829 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 188, 26) }
```

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

```
.background{ background-color: rgb(42, 188,  
26) }
```

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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