

Converting Colors

$Y_{xy}(48.5279, 0.3006, 0.5887)$

Have a look what the booklet for
Yxy(48.5279, 0.3006, 0.5887)
contains.

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Color

Yxy(48.4191, 0.3007, 0.5889)

Conversions

Conversions Part 1

Format	Color
Hex	1CD61B
RGB	28, 214, 27
RGB Percent	11%, 84%, 11%
CMY	0.8901, 0.1608, 0.8942
CMYK	0.87, 0.00, 0.87, 0.16
HSL	120°, 78%, 47%
HSV	120°, 87%, 84%
XYZ	24.7234, 48.4191, 9.0770
YIQ	137.0680, -50.8290, -97.5890

Conversions

Conversions Part 2

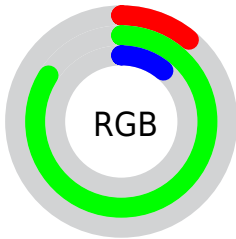
Format	Color
RYB	27, 214, 213
Decimal	1889819
CIELab	75.09, -73.45, 69.68
CIELCh	75, 101.243, 136.509
Yxy	48.4191, 0.3007, 0.5889
Android (android.graphics.Color)	4280079899 (0xFF1CD61B)
YUV	137.0680, -54.2635, -95.6526
Hunter-Lab	69.5838, -58.3499, 40.9744

Details

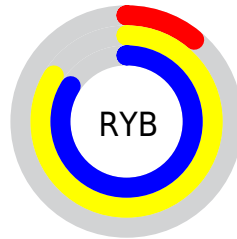
The Yxy color **48.4191, 0.3007, 0.5889** is a dark color, and the websafe version is hex **00CC00**. The color can be described as dark washed green. A complement of this color would be **19.7755, 0.3195, 0.1581**, and the grayscale version is **25.2698, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.8877, 0.3120, 0.5299**, and **24.1139, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **48.1506, 0.3002, 0.5982**, and if you desaturate by 10%, it is **48.9719, 0.3016, 0.5710**.

Distribution



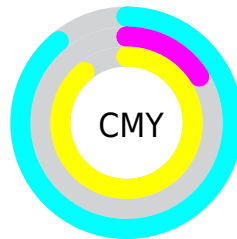
- Red (11%)
- Green (84%)
- Blue (11%)



- Red (11%)
- Yellow (84%)
- Blue (84%)



- Cyan (87%)
- Magenta (0%)
- Yellow (87%)
- Black (16%)





- Cyan (89%)
- Magenta (16%)
- Yellow (89%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.4191, 0.3007, 0.5889 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 48.4191, 0.3007, 0.5889 by changing the saturation by 10% instead.


 48.4191, 0.3007,
0.5889


 48.4191, 0.3007,
0.5889


380.4509, 0.3187,
0.4511


 34.1589, 0.2917,
0.6228


 87.8281, 0.3106,
0.5385


 23.0157, 0.2775,
0.6644

 113.7456, 0.3133,
0.5195

 14.6051, 0.2554,
0.7169


 144.3178, 0.3151,
0.5035

 8.5427, 0.2196,
0.7804

 179.9289, 0.3164,
0.4898

 4.4441, 0.1601,
0.8399

 220.9634, 0.3173,
0.4781

 1.9250, 0.0000,
1.0000

 267.8056, 0.3180,


 0.5633, 0.0000,


0.4679


1.0000


320.8400, 0.3184,
0.4589


 0.0000, 0.0000,
0.0000


 48.4191, 0.3007,
0.5889


 48.4191, 0.3007,
0.5889

 48.1506, 0.3002,
0.5982


 48.9719, 0.3016,
0.5710

 48.1027, 0.3001,
0.5999

 49.8581, 0.3029,
0.5449

 51.1215, 0.3044,
0.5129

 52.7978, 0.3061,
0.4777

 54.9185, 0.3077,
0.4418

■ 57.5122, 0.3093,
0.4075

■ 60.6051, 0.3107,
0.3759

■ 64.2213, 0.3119,
0.3477

■ 68.3836, 0.3130,
0.3229

Harmonies

Analogous

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



48.4191, 0.4163, 0.5503



48.4191, 0.3007, 0.5889



48.4191, 0.1934, 0.4837

Triad

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



48.4191, 0.3007, 0.5889



48.4191, 0.1218, 0.1544



48.4191, 0.5365, 0.2909

Complementary

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



48.4191, 0.3007, 0.5889



19.7755, 0.3195, 0.1581

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.



48.4191, 0.4117, 0.2214



48.4191, 0.3007, 0.5889



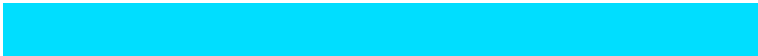
48.4191, 0.1731, 0.1473

Square

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



48.4191, 0.3007, 0.5889



48.4191, 0.1064, 0.2012



48.4191, 0.2710, 0.1705



48.4191, 0.5713, 0.3682

Rectangle

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



48.4191, 0.3007, 0.5889



48.4191, 0.1429, 0.3654



48.4191, 0.2710, 0.1705



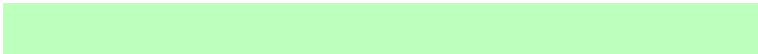
48.4191, 0.5023, 0.2666

Sweetspot

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



48.4211, 0.3007, 0.5889



86.0096, 0.3094, 0.4037



60.9076, 0.4190, 0.4984



18.0968, 0.3089, 0.4154



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



48.4211, 0.3007, 0.5889



71.5293, 0.3001, 0.5999



49.6205, 0.2708, 0.4845



13.8993, 0.3117, 0.3531



29.0754, 0.3001, 0.5999



1.7549, 0.3006, 0.5996

Inverse Universe

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



19.7755, 0.3195, 0.1581



28.2073, 0.3195, 0.1534



16.5243, 0.4619, 0.2405



12.6290, 0.3137, 0.3060



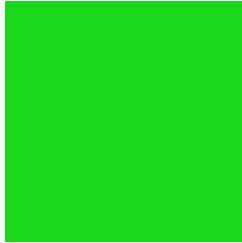
11.4676, 0.3195, 0.1534



0.6929, 0.3198, 0.1535

Previews

White Background



This preview shows how the Yxy color 48.4191, 0.3007, 0.5889 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 48.4191, 0.3007, 0.5889 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

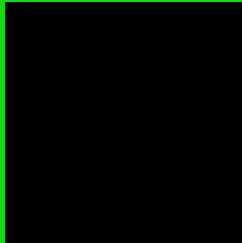
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 48.4191, 0.3007, 0.5889

Background



This preview shows how black text looks on a background with the Yxy color 48.4191, 0.3007, 0.5889.



This preview shows how white text looks on a background with the Yxy color 48.4191, 0.3007, 0.5889.

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

48.4191, 0.3007, 0.5889

Protanopia

47.5838, 0.4386, 0.4857

Deuteranopia

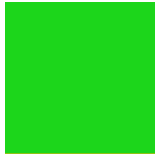
47.3521, 0.4579, 0.4479



Tritanopia

48.0803, 0.2371, 0.3065

Trichromacy



Original Color

48.4191, 0.3007, 0.5889



Protanomaly

44.8315, 0.3696, 0.5381



Deuteranomaly

43.7451, 0.3812, 0.5122



Tritanomaly

46.5575, 0.2643, 0.4198

Monochromacy



Original Color

48.4191, 0.3007, 0.5889



Achromatopsia

25.0158, 0.3127, 0.3290



Achromatomaly

30.3147, 0.3069, 0.4529

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.4191, 0.3007, 0.5889 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(28, 214, 27)` looks like.

```
.text, #text, p{  
    color:rgb(28, 214, 27)  
}
```

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(28, 214, 27) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(28, 214, 27) }
```

Border

The CSS property to change the border of an element to Yxy 48.4191, 0.3007, 0.5889 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(28, 214, 27) }
```

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

```
.border{ border-color:rgb(28, 214, 27) }
```

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

Here you see how a box with a 4 pixel rgb(28, 214, 27) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(28, 214, 27); -webkit-box-  
shadow:4px 4px 4px 4px rgb(28, 214, 27);  
box-shadow:4px 4px 4px 4px rgb(28, 214,  
27) }
```


Background

The CSS property to change the background color of an element to Yxy 48.4191, 0.3007, 0.5889 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(28, 214, 27) }
```

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

```
.background{ background-color: rgb(28, 214,  
27) }
```

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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