

Converting Colors

$Y_{xy}(48.3397, 0.2958, 0.5851)$

Have a look what the booklet for
Yxy(48.3397, 0.2958, 0.5851)
contains.

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Color

Yxy(48.2331, 0.2958, 0.5847)

Conversions

Conversions Part 1

Format	Color
Hex	01D626
RGB	1, 214, 38
RGB Percent	0%, 84%, 15%
CMY	0.9980, 0.1608, 0.8509
CMYK	1.00, 0.00, 0.82, 0.16
HSL	131°, 100%, 42%
HSV	131°, 100%, 84%
XYZ	24.4011, 48.2331, 9.8578
YIQ	130.2490, -70.4520, -99.8920

Conversions

Conversions Part 2

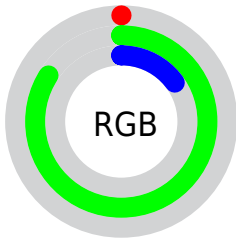
Format	Color
RYB	1, 182, 214
Decimal	120358
CIELab	74.97, -74.34, 67.04
CIELCh	75, 100.105, 137.954
Yxy	48.2331, 0.2958, 0.5847
Android (android.graphics.Color)	4278310438 (0xFF01D626)
YUV	130.2490, -45.4788, -113.3514
Hunter-Lab	69.4501, -58.8220, 40.1994

Details

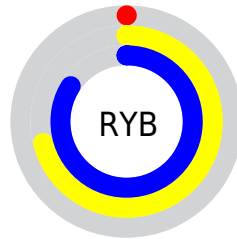
The Yxy color **48.2331, 0.2958, 0.5847** is a dark color, and the websafe version is hex **00CC00**. The color can be described as dark washed green. A complement of this color would be **17.4608, 0.3714, 0.1821**, and the grayscale version is **22.5434, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.6090, 0.3072, 0.5255**, and **24.1139, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **48.2292, 0.2958, 0.5850**, and if you desaturate by 10%, it is **48.5434, 0.2938, 0.5686**.

Distribution



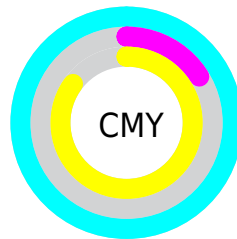
- Red (0%)
- Green (84%)
- Blue (15%)



- Red (0%)
- Yellow (71%)
- Blue (84%)



- Cyan (100%)
- Magenta (0%)
- Yellow (82%)
- Black (16%)





- Cyan (100%)
- Magenta (16%)
- Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.2331, 0.2958, 0.5847 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 48.2331, 0.2958, 0.5847 by changing the saturation by 10% instead.


 48.2331, 0.2958,
0.5847


 48.2331, 0.2958,
0.5847


379.7153, 0.3155,
0.4483


 34.0115, 0.2867,
0.6187


 87.5514, 0.3060,
0.5344


 22.9024, 0.2725,
0.6610


 113.4168, 0.3089,
0.5156


 14.5215, 0.2502,
0.7137


 143.9324, 0.3110,
0.4998

 8.4843, 0.2159,
0.7841

 179.4824, 0.3125,
0.4864

 4.4063, 0.1557,
0.8443

 220.4514, 0.3136,
0.4748

 1.9034, 0.0000,
1.0000

 267.2236, 0.3144,

 0.5504, 0.0000,

0.4648

1.0000

320.1834, 0.3150,
0.4560

■ 0.0000, 0.0000,
0.0000

■ 48.2331, 0.2958,
0.5847

■ 48.2331, 0.2958,
0.5847

■ 48.2292, 0.2958,
0.5850

■ 48.5434, 0.2938,
0.5686

■ 49.0969, 0.2925,
0.5467

■ 49.9597, 0.2923,
0.5199

■ 51.1702, 0.2934,
0.4901

■ 52.7608, 0.2954,
0.4591

■ 54.7605, 0.2983,
0.4286

■ 57.1953, 0.3017,
0.3998

■ 60.0890, 0.3053,
0.3733

■ 63.4637, 0.3091,
0.3495

Harmonies

Analogous

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



48.2331, 0.4108, 0.5527



48.2331, 0.2958, 0.5847



48.2331, 0.1902, 0.4738

Triad

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



48.2331, 0.2958, 0.5847



48.2331, 0.1246, 0.1545



48.2331, 0.5384, 0.2951

Complementary

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



48.2331, 0.2958, 0.5847



17.4608, 0.3714, 0.1821

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.



48.2331, 0.4178, 0.2253



48.2331, 0.2958, 0.5847



48.2331, 0.1777, 0.1490

Square

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



48.2331, 0.2958, 0.5847



48.2331, 0.1077, 0.1989



48.2331, 0.2774, 0.1734



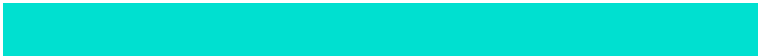
48.2331, 0.5685, 0.3725

Rectangle

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



48.2331, 0.2958, 0.5847



48.2331, 0.1416, 0.3571



48.2331, 0.2774, 0.1734



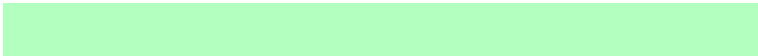
48.2331, 0.5060, 0.2707

Sweetspot

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



48.2351, 0.2958, 0.5847



84.8473, 0.3015, 0.4013



57.6071, 0.3899, 0.5285



17.8167, 0.3000, 0.4134



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.



48.2351, 0.2958, 0.5847



71.7079, 0.2962, 0.5862



50.0732, 0.2563, 0.4426



13.9312, 0.3092, 0.3488



29.1630, 0.2953, 0.5831



1.7700, 0.2870, 0.5531

Inverse Universe

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



17.4608, 0.3714, 0.1821



25.9232, 0.3722, 0.1824



14.7703, 0.5658, 0.2892



12.5935, 0.3164, 0.3100



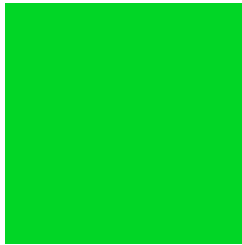
10.5593, 0.3707, 0.1816



0.6469, 0.3606, 0.1760

Previews

White Background



This preview shows how the Yxy color 48.2331, 0.2958, 0.5847 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 48.2331, 0.2958, 0.5847 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 48.2331, 0.2958, 0.5847

Background



This preview shows how black text looks on a background with the Yxy color 48.2331, 0.2958, 0.5847.



This preview shows how white text looks on a background with the Yxy color 48.2331, 0.2958, 0.5847.

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

48.2395, 0.2958, 0.5847

Protanopia

47.0825, 0.4359, 0.4815

Deuteranopia

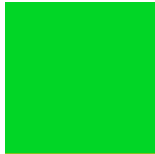
47.2459, 0.4542, 0.4449



Tritanopia

47.8770, 0.2355, 0.3064

Trichromacy



Original Color

48.2395, 0.2958, 0.5847



Protanomaly

43.5187, 0.3582, 0.5389



Deuteranomaly

42.7452, 0.3685, 0.5140



Tritanomaly

46.2900, 0.2581, 0.4139

Monochromacy



Original Color

48.2395, 0.2958, 0.5847



Achromatopsia

22.3228, 0.3127, 0.3290



Achromatomaly

28.1918, 0.2958, 0.4515

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.2331, 0.2958, 0.5847 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(1, 214, 38)` looks like.

```
.text, #text, p{  
    color:rgb(1, 214, 38)  
}
```

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(1, 214, 38) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 214, 38) }
```

Border

The CSS property to change the border of an element to Yxy 48.2331, 0.2958, 0.5847 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(1, 214, 38) }
```

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

```
.border{ border-color:rgb(1, 214, 38) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 214, 38)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 214, 38); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 214, 38);  
box-shadow:4px 4px 4px 4px rgb(1, 214, 38)  
}
```


Background

The CSS property to change the background color of an element to Yxy 48.2331, 0.2958, 0.5847 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 214, 38) }
```

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

```
.background{ background-color: rgb(1, 214,  
38) }
```

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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