

Converting Colors

$Y_{xy}(48.1581, 0.2994, 0.5978)$

Have a look what the booklet for
Yxy(48.1581, 0.2994, 0.5978)
contains.

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Color

Yxy(48.1129, 0.2994, 0.5978)

Conversions

Conversions Part 1

Format	Color
Hex	00D609
RGB	0, 214, 9
RGB Percent	0%, 84%, 4%
CMY	0.9996, 0.1608, 0.9648
CMYK	1.00, 0.00, 0.96, 0.16
HSL	122°, 100%, 42%
HSV	122°, 100%, 84%
XYZ	24.0967, 48.1129, 8.2737
YIQ	126.6440, -61.7390, -109.1230

Conversions

Conversions Part 2

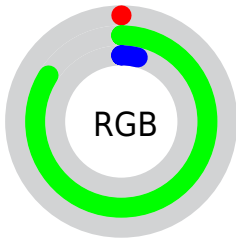
Format	Color
RYB	0, 205, 214
Decimal	54793
CIELab	74.90, -75.34, 72.01
CIELCh	75, 104.216, 136.296
Yxy	48.1129, 0.2994, 0.5978
Android (android.graphics.Color)	4278244873 (0xFF00D609)
YUV	126.6440, -57.9985, -111.0668
Hunter-Lab	69.3635, -59.3756, 41.4823

Details

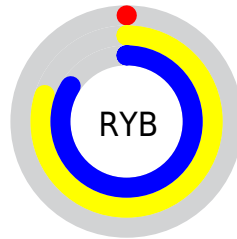
The Yxy color **48.1129, 0.2994, 0.5978** is a dark color, and the websafe version is hex **00CC00**. The color can be described as dark washed green. A complement of this color would be **18.7133, 0.3317, 0.1601**, and the grayscale version is **21.3250, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.3800, 0.3115, 0.5382**, and **24.1139, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **48.1140, 0.2994, 0.5978**, and if you desaturate by 10%, it is **48.3507, 0.2993, 0.5884**.

Distribution



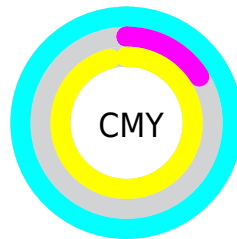
- Red (0%)
- Green (84%)
- Blue (4%)



- Red (0%)
- Yellow (80%)
- Blue (84%)



- Cyan (100%)
- Magenta (0%)
- Yellow (96%)
- Black (16%)





- Cyan (100%)
- Magenta (16%)
- Yellow (96%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 48.1129, 0.2994, 0.5978 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 48.1129, 0.2994, 0.5978 by changing the saturation by 10% instead.

 48.1129, 0.2994,
0.5978


 48.1129, 0.2994,
0.5978


 379.2395, 0.3191,
0.4553


 33.9163, 0.2896,
0.6324


 87.3725, 0.3101,
0.5459


 22.8293, 0.2743,
0.6747


 113.2042, 0.3131,
0.5262


 14.4675, 0.2513,
0.7296


 143.6832, 0.3151,
0.5097

 8.4465, 0.2120,
0.7880

 179.1937, 0.3165,
0.4955

 4.3820, 0.1512,
0.8488

 220.1202, 0.3175,
0.4834

 1.8895, 0.0000,
1.0000

 266.8471, 0.3182,

 0.5420, 0.0000,

0.4728

1.0000

319.7587, 0.3187,
0.4635

■ 0.0000, 0.0000,
0.0000

■ 48.1129, 0.2994,
0.5978

■ 48.1129, 0.2994,
0.5978

■ 48.1140, 0.2994,
0.5978

■ 48.3507, 0.2993,
0.5884

■ 48.8365, 0.2994,
0.5709

■ 49.6437, 0.3001,
0.5457

■ 50.8151, 0.3014,
0.5148

■ 52.3869, 0.3030,
0.4807

■ 54.3909, 0.3049,
0.4459

■ 56.8558, 0.3070,
0.4124

■ 59.8078, 0.3090,
0.3813

■ 63.2710, 0.3109,
0.3535

Harmonies

Analogous

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



48.1129, 0.4173, 0.5541



48.1129, 0.2994, 0.5978



48.1129, 0.1901, 0.4905

Triad

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



48.1129, 0.2994, 0.5978



48.1129, 0.1178, 0.1506



48.1129, 0.5424, 0.2885

Complementary

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



48.1129, 0.2994, 0.5978



18.7133, 0.3317, 0.1601

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.



48.1129, 0.4133, 0.2182



48.1129, 0.2994, 0.5978



48.1129, 0.1693, 0.1435

Square

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



48.1129, 0.2994, 0.5978



48.1129, 0.1023, 0.1979



48.1129, 0.2687, 0.1668



48.1129, 0.5777, 0.3664

Rectangle

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



48.1129, 0.2994, 0.5978



48.1129, 0.1389, 0.3672



48.1129, 0.2687, 0.1668



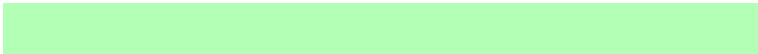
48.1129, 0.5071, 0.2639

Sweetspot

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



48.1149, 0.2994, 0.5978



84.4080, 0.3069, 0.4135



61.3419, 0.4135, 0.5099



17.7165, 0.3060, 0.4276



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.



48.1149, 0.2994, 0.5978



71.5432, 0.2995, 0.5983



49.3144, 0.2697, 0.4908



13.9042, 0.3110, 0.3521



29.0847, 0.2992, 0.5971



1.7573, 0.2967, 0.5881

Inverse Universe

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



18.7133, 0.3317, 0.1601



27.8178, 0.3318, 0.1601



15.2176, 0.5121, 0.2595



12.6234, 0.3144, 0.3070



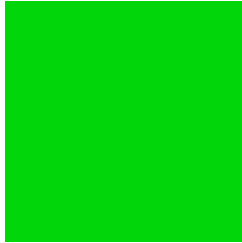
11.3131, 0.3315, 0.1600



0.6852, 0.3295, 0.1589

Previews

White Background



This preview shows how the Yxy color 48.1129, 0.2994, 0.5978 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 48.1129, 0.2994, 0.5978 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

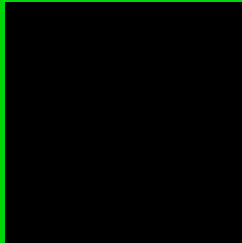
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

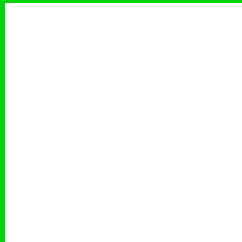
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 48.1129, 0.2994, 0.5978

Background



This preview shows how black text looks on a background with the Yxy color 48.1129, 0.2994, 0.5978.



This preview shows how white text looks on a background with the Yxy color 48.1129, 0.2994, 0.5978.

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

48.1129, 0.2994, 0.5978

Protanopia

46.9888, 0.4406, 0.4884

Deuteranopia

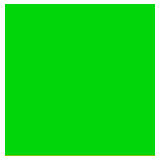
46.9154, 0.4614, 0.4502



Tritanopia

47.9268, 0.2359, 0.3064

Trichromacy



Original Color

48.1129, 0.2994, 0.5978



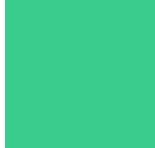
Protanomaly

43.4154, 0.3627, 0.5493



Deuteranomaly

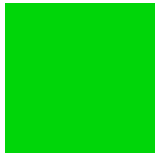
42.1872, 0.3750, 0.5254



Tritanomaly

45.9490, 0.2639, 0.4328

Monochromacy



Original Color

48.1129, 0.2994, 0.5978



Achromatopsia

21.2231, 0.3127, 0.3290



Achromatomaly

27.1857, 0.3035, 0.4745

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.1129, 0.2994, 0.5978 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, 214, 9)` looks like.

```
.text, #text, p{  
    color:rgb(0, 214, 9)  
}
```

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, 214, 9) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 214, 9) }
```

Border

The CSS property to change the border of an element to Yxy 48.1129, 0.2994, 0.5978 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, 214, 9) }
```

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

```
.border{ border-color:rgb(0, 214, 9) }
```

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

Here you see how a box with a 4 pixel rgb(0, 214, 9) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 214, 9); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 214, 9); box-shadow:4px  
4px 4px 4px rgb(0, 214, 9) }
```


Background

The CSS property to change the background color of an element to Yxy 48.1129, 0.2994, 0.5978 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 214, 9) }
```

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

```
.background{ background-color: rgb(0, 214,  
9) }
```

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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