

# Converting Colors

$Y_{xy}(48.2813, 0.2973, 0.5904)$

Have a look what the booklet for  
Yxy(48.2813, 0.2973, 0.5904)  
contains.

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# Color

**Yxy(48.1818, 0.2973, 0.5902)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00D61D
RGB	0, 214, 29
RGB Percent	0%, 84%, 11%
CMY	0.9991, 0.1608, 0.8862
CMYK	1.00, 0.00, 0.86, 0.16
HSL	128°, 100%, 42%
HSV	128°, 100%, 84%
XYZ	24.2705, 48.1818, 9.1841
YIQ	128.9240, -68.1590, -102.9030

# Conversions

## Conversions Part 2

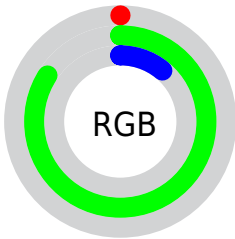
Format	Color
<a href="#">RYB</a>	0, 188, 214
Decimal	54813
CIELab	74.94, -74.77, 69.08
CIELCh	75, 101.796, 137.264
Yxy	48.1818, 0.2973, 0.5902
Android (android.graphics.Color)	4278244893 (0xFF00D61D)
YUV	128.9240, -49.2625, -113.0663
Hunter-Lab	69.4131, -59.0599, 40.7445

# Details

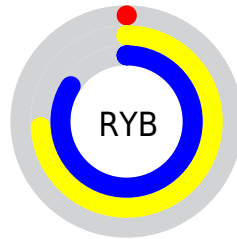
The Yxy color **48.1818, 0.2973, 0.5902** is a dark color, and the websafe version is hex **00CC00**. The color can be described as dark washed green. A complement of this color would be **17.8122, 0.3585, 0.1749**, and the grayscale version is **22.1446, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.5163, 0.3089, 0.5306**, and **24.1139, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **48.1814, 0.2973, 0.5903**, and if you desaturate by 10%, it is **48.4695, 0.2958, 0.5760**.

# Distribution



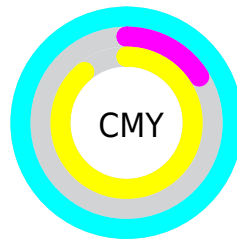
- Red (0%)
- Green (84%)
- Blue (11%)



- Red (0%)
- Yellow (74%)
- Blue (84%)



- Cyan (100%)
- Magenta (0%)
- Yellow (86%)
- Black (16%)




- Cyan (100%)
- Magenta (16%)
- Yellow (89%)


# Brightness & Saturation Gradients


These gradients show how the Yxy color 48.1818, 0.2973, 0.5902 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 48.1818, 0.2973, 0.5902 by changing the saturation by 10% instead.




 48.1818, 0.2973,  
0.5902


 48.1818, 0.2973,  
0.5902


 379.5123, 0.3170,  
0.4512

 33.9709, 0.2879,  
0.6245


 87.4750, 0.3077,  
0.5392

 22.8712, 0.2733,  
0.6669


 113.3261, 0.3106,  
0.5200


 14.4985, 0.2506,  
0.7202


 143.8261, 0.3127,  
0.5039

 8.4682, 0.2142,  
0.7858

 179.3592, 0.3142,  
0.4902

 4.3959, 0.1538,  
0.8462

 220.3101, 0.3152,  
0.4783

 1.8974, 0.0000,  
1.0000

 267.0629, 0.3160,

 0.5468, 0.0000,

0.4681

1.0000

320.0022, 0.3166,  
0.4591

■ 0.0000, 0.0000,  
0.0000

■ 48.1818, 0.2973,  
0.5902

■ 48.1818, 0.2973,  
0.5902

■ 48.1814, 0.2973,  
0.5903

■ 48.4695, 0.2958,  
0.5760

■ 49.0016, 0.2948,  
0.5551

■ 49.8469, 0.2949,  
0.5285

■ 51.0447, 0.2959,  
0.4981

■ 52.6286, 0.2978,  
0.4660

■ 54.6283, 0.3003,  
0.4342

■ 57.0705, 0.3032,  
0.4038

■ 59.9796, 0.3064,  
0.3759

■ 63.3784, 0.3096,  
0.3509

# Harmonies

## Analogous

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



48.1818, 0.4135, 0.5534



48.1818, 0.2973, 0.5902



48.1818, 0.1902, 0.4806

# Triad

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



48.1818, 0.2973, 0.5902



48.1818, 0.1218, 0.1529



48.1818, 0.5401, 0.2924

# Complementary

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



48.1818, 0.2973, 0.5902



17.8122, 0.3585, 0.1749

# 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.



48.1818, 0.4160, 0.2223



48.1818, 0.2973, 0.5902



48.1818, 0.1742, 0.1467

# Square

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



48.1818, 0.2973, 0.5902



48.1818, 0.1054, 0.1985



48.1818, 0.2738, 0.1707



48.1818, 0.5723, 0.3700



# Rectangle

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



48.1818, 0.2973, 0.5902



48.1818, 0.1405, 0.3612



48.1818, 0.2738, 0.1707



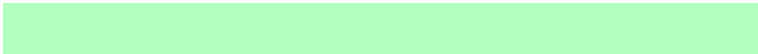
48.1818, 0.5065, 0.2679

# Sweetspot

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



48.1838, 0.2973, 0.5902



84.7100, 0.3031, 0.4050



58.4702, 0.3958, 0.5239



17.7852, 0.3018, 0.4177



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.



48.1838, 0.2973, 0.5902



71.6376, 0.2976, 0.5913



49.8616, 0.2597, 0.4549



13.9229, 0.3098, 0.3498



29.1311, 0.2969, 0.5887



1.7661, 0.2898, 0.5633



# Inverse Universe

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



17.8122, 0.3585, 0.1749



26.4614, 0.3590, 0.1751



14.8599, 0.5533, 0.2823



12.6026, 0.3158, 0.3091



10.7739, 0.3579, 0.1745

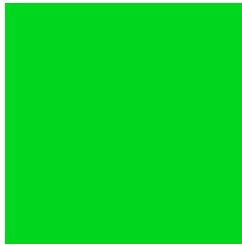


0.6580, 0.3506, 0.1705



# Previews

## White Background



This preview shows how the Yxy color 48.1818, 0.2973, 0.5902 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 48.1818, 0.2973, 0.5902 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

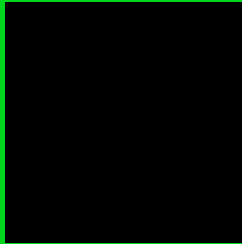
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 48.1818, 0.2973, 0.5902**

## Background



This preview shows how black text looks on a background with the Yxy color 48.1818, 0.2973, 0.5902.



This preview shows how white text looks on a background with the Yxy color 48.1818, 0.2973, 0.5902.

# 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

48.1818, 0.2973, 0.5902

### Protanopia

47.0358, 0.4382, 0.4849

### Deuteranopia

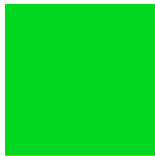
47.1965, 0.4566, 0.4479



## Tritanopia

47.8770, 0.2355, 0.3064

# Trichromacy



## Original Color

48.1818, 0.2973, 0.5902



## Protanomaly

43.4707, 0.3603, 0.5437



## Deuteranomaly

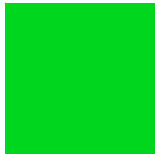
42.6956, 0.3707, 0.5186



## Tritanomaly

46.1622, 0.2602, 0.4207

# Monochromacy



## Original Color

48.1818, 0.2973, 0.5902



## Achromatopsia

21.9526, 0.3127, 0.3290



## Achromatomaly

27.7258, 0.2979, 0.4582

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 48.1818, 0.2973, 0.5902 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, 29)` looks like.

```
.text, #text, p{  
    color:rgb(0, 214, 29)  
}
```

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, 29) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 214, 29) }
```

## Border

The CSS property to change the border of an element to Yxy 48.1818, 0.2973, 0.5902 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, 29) }
```

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

```
.border{ border-color:rgb(0, 214, 29) }
```

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, 29)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 214, 29); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 214, 29);  
box-shadow:4px 4px 4px 4px rgb(0, 214, 29)  
}
```



# Background

The CSS property to change the background color of an element to Yxy 48.1818, 0.2973, 0.5902 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, 29) }
```

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

```
.background{ background-color: rgb(0, 214,  
29) }
```

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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