

# Converting Colors

$Y_{xy}(48.2195, 0.2992, 0.5972)$

Have a look what the booklet for  
Yxy(48.2195, 0.2992, 0.5972)  
contains.

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# Color

**Yxy(48.1173, 0.2993, 0.5973)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00D60B
RGB	0, 214, 11
RGB Percent	0%, 84%, 4%
CMY	0.9981, 0.1608, 0.9572
CMYK	1.00, 0.00, 0.95, 0.16
HSL	123°, 100%, 42%
HSV	123°, 100%, 84%
XYZ	24.1110, 48.1173, 8.3297
YIQ	126.8720, -62.3810, -108.5010

# Conversions

## Conversions Part 2

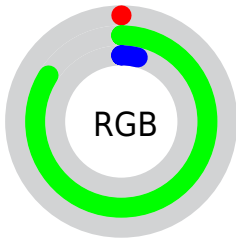
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 204, 214
Decimal	54795
CIELab	74.90, -75.29, 71.82
CIELCh	75, 104.051, 136.351
Yxy	48.1173, 0.2993, 0.5973
Android (android.graphics.Color)	4278244875 (0xFF00D60B)
YUV	126.8720, -57.1249, -111.2667
Hunter-Lab	69.3666, -59.3471, 41.4370

# Details

The Yxy color **48.1173, 0.2993, 0.5973** 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 **18.6466, 0.3336, 0.1612**, and the grayscale version is **21.4429, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.3963, 0.3112, 0.5373**, and **24.1139, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **48.1150, 0.2993, 0.5974**, and if you desaturate by 10%, it is **48.3619, 0.2991, 0.5874**.

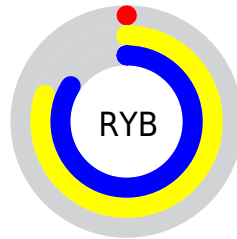
# Distribution



Red (0%)

Green (84%)

Blue (4%)



Red (0%)

Yellow (80%)

Blue (84%)

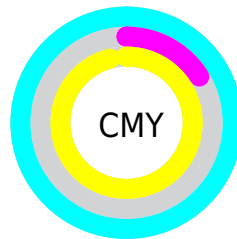


Cyan (100%)

Magenta (0%)

Yellow (95%)

Black (16%)



Cyan (100%)

Magenta (16%)


Yellow (96%)


# Brightness & Saturation Gradients


These gradients show how the Yxy color 48.1173, 0.2993, 0.5973 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 48.1173, 0.2993, 0.5973 by changing the saturation by 10% instead.





 48.1173, 0.2993,  
0.5973


 48.1173, 0.2993,  
0.5973


 379.2569, 0.3190,  
0.4551

 33.9198, 0.2895,  
0.6319


 87.3790, 0.3100,  
0.5454

 22.8320, 0.2743,  
0.6742


 113.2120, 0.3130,  
0.5258


 14.4695, 0.2513,  
0.7290


 143.6923, 0.3150,  
0.5093

 8.4479, 0.2122,  
0.7878

 179.2043, 0.3164,  
0.4952

 4.3829, 0.1514,  
0.8486

 220.1323, 0.3174,  
0.4830

 1.8900, 0.0000,  
1.0000

 266.8609, 0.3181,

 0.5423, 0.0000,

0.4725

1.0000

319.7742, 0.3186,  
0.4632

■ 0.0000, 0.0000,  
0.0000

■ 48.1173, 0.2993,  
0.5973

■ 48.1173, 0.2993,  
0.5973

■ 48.1150, 0.2993,  
0.5974

■ 48.3619, 0.2991,  
0.5874

■ 48.8566, 0.2991,  
0.5694

■ 49.6731, 0.2998,  
0.5440

■ 50.8536, 0.3010,  
0.5130

■ 52.4339, 0.3027,  
0.4790

■ 54.4457, 0.3046,  
0.4444

■ 56.9173, 0.3067,  
0.4111

■ 59.8747, 0.3088,  
0.3804

■ 63.3421, 0.3109,  
0.3528

# Harmonies

## Analogous

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



48.1173, 0.4171, 0.5541



48.1173, 0.2993, 0.5973



48.1173, 0.1902, 0.4899

# Triad

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



48.1173, 0.2993, 0.5973



48.1173, 0.1180, 0.1508



48.1173, 0.5423, 0.2887

# Complementary

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



48.1173, 0.2993, 0.5973



18.6466, 0.3336, 0.1612

# 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.



48.1173, 0.4134, 0.2185



48.1173, 0.2993, 0.5973



48.1173, 0.1696, 0.1437

# Square

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



48.1173, 0.2993, 0.5973



48.1173, 0.1025, 0.1980



48.1173, 0.2690, 0.1670



48.1173, 0.5774, 0.3666



# Rectangle

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



48.1173, 0.2993, 0.5973



48.1173, 0.1391, 0.3669



48.1173, 0.2690, 0.1670



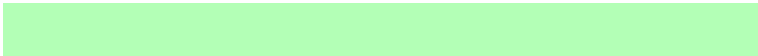
48.1173, 0.5070, 0.2642

# Sweetspot

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



48.1193, 0.2993, 0.5973



84.4311, 0.3066, 0.4129



61.3416, 0.4135, 0.5098



17.7217, 0.3057, 0.4268



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.



48.1193, 0.2993, 0.5973



71.5476, 0.2994, 0.5979



49.3186, 0.2696, 0.4905



13.9057, 0.3109, 0.3519



29.0874, 0.2991, 0.5966



1.7579, 0.2961, 0.5861



# Inverse Universe

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



18.6466, 0.3336, 0.1612



27.7051, 0.3338, 0.1612



15.2292, 0.5116, 0.2594



12.6218, 0.3145, 0.3071



11.2683, 0.3334, 0.1610

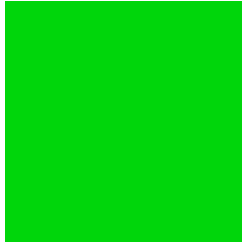


0.6829, 0.3311, 0.1597



# Previews

## White Background



This preview shows how the Yxy color 48.1173, 0.2993, 0.5973 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 48.1173, 0.2993, 0.5973 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

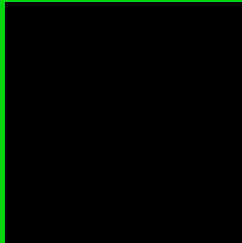
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 48.1173, 0.2993, 0.5973**

## Background



This preview shows how black text looks on a background with the Yxy color 48.1173, 0.2993, 0.5973.

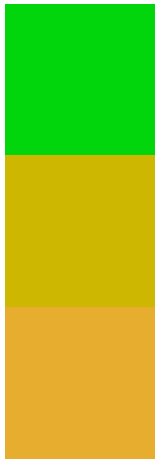


This preview shows how white text looks on a background with the Yxy color 48.1173, 0.2993, 0.5973.

# 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

48.1173, 0.2993, 0.5973

### Protanopia

46.9888, 0.4406, 0.4884

### Deuteranopia

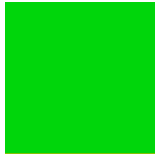
46.9154, 0.4614, 0.4502



## Tritanopia

47.9268, 0.2359, 0.3064

# Trichromacy



## Original Color

48.1173, 0.2993, 0.5973



## Protanomaly

43.4176, 0.3626, 0.5491



## Deuteranomaly

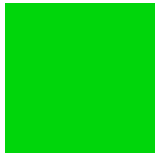
42.2850, 0.3757, 0.5242



## Tritanomaly

45.9787, 0.2633, 0.4311

# Monochromacy



## Original Color

48.1173, 0.2993, 0.5973



## Achromatopsia

21.2231, 0.3127, 0.3290



## Achromatomaly

27.2015, 0.3028, 0.4726

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 48.1173, 0.2993, 0.5973 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, 11)` looks like.

```
.text, #text, p{  
    color:rgb(0, 214, 11)  
}
```

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, 11) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 214, 11) }
```

## Border

The CSS property to change the border of an element to Yxy 48.1173, 0.2993, 0.5973 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, 11) }
```

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

```
.border{ border-color:rgb(0, 214, 11) }
```

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, 11)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 214, 11); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 214, 11);  
box-shadow:4px 4px 4px 4px rgb(0, 214, 11)  
}
```



# Background

The CSS property to change the background color of an element to Yxy 48.1173, 0.2993, 0.5973 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, 11) }
```

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

```
.background{ background-color: rgb(0, 214,  
11) }
```

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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