

# Converting Colors

Yxy(48.9841, 0.3033, 0.5901)

Have a look what the booklet for  
Yxy(48.9841, 0.3033, 0.5901)  
contains.

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**Color**

**Yxy(49.0483, 0.3032, 0.5903)**

# Conversions

## Conversions Part 1

Format	Color
Hex	25D715
RGB	37, 215, 21
RGB Percent	15%, 84%, 8%
CMY	0.8557, 0.1568, 0.9176
CMYK	0.83, 0.00, 0.90, 0.16
HSL	115°, 82%, 46%
HSV	115°, 90%, 84%
XYZ	25.1930, 49.0483, 8.8491
YIQ	139.6620, -43.8140, -98.0700

# Conversions

## Conversions Part 2

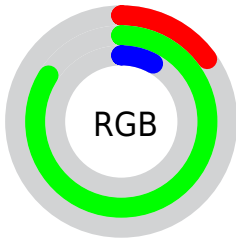
Format	Color
<a href="#">RYB</a>	<a href="#">21, 215, 199</a>
Decimal	<a href="#">2479893</a>
CIELab	<a href="#">75.48, -73.13, 71.09</a>
CIELCh	<a href="#">75, 101.996, 135.810</a>
Yxy	<a href="#">49.0483, 0.3032, 0.5903</a>
Android (android.graphics.Color)	<a href="#">4280669973</a> ( <a href="#">0xFF25D715</a> )
YUV	<a href="#">139.6620, -58.5004, -90.0346</a>
Hunter-Lab	<a href="#">70.0345, -58.3498, 41.5326</a>

# Details

The Yxy color **49.0483, 0.3032, 0.5903** 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 **17.6199, 0.3024, 0.1474**, and the grayscale version is **26.3086, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.1097, 0.3148, 0.5316**, and **24.4537, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **48.7304, 0.3016, 0.5988**, and if you desaturate by 10%, it is **49.6341, 0.3053, 0.5741**.

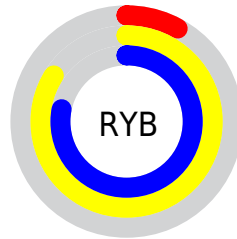
# Distribution



Red (15%)

Green (84%)

Blue (8%)



Red (8%)

Yellow (84%)

Blue (78%)

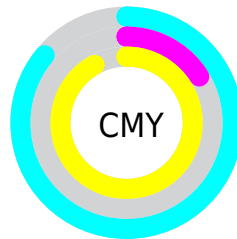


Cyan (83%)

Magenta (0%)

Yellow (90%)

Black (16%)



Cyan (86%)

Magenta (16%)


Yellow (92%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 49.0483, 0.3032, 0.5903 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 49.0483, 0.3032, 0.5903 by changing the saturation by 10% instead.




 49.0483, 0.3032,  
0.5903


 49.0483, 0.3032,  
0.5903

382.9324, 0.3203,  
0.4524

 34.6578, 0.2943,  
0.6238


 88.7632, 0.3128,  
0.5401

 23.3994, 0.2803,  
0.6649


 114.8564, 0.3154,  
0.5211


 14.8887, 0.2586,  
0.7168


 145.6192, 0.3171,  
0.5050

 8.7413, 0.2226,  
0.7774

 181.4361, 0.3183,  
0.4914

 4.5728, 0.1640,  
0.8360

 222.6915, 0.3192,  
0.4796

 1.9989, 0.0000,  
1.0000

 269.7698, 0.3197,

 0.6068, 0.0000,

0.4693

1.0000

323.0553, 0.3201,  
0.4603

■ 0.0000, 0.0000,  
0.0000

■ 49.0483, 0.3032,  
0.5903

■ 49.0483, 0.3032,  
0.5903

■ 48.7304, 0.3016,  
0.5988

■ 49.6341, 0.3053,  
0.5741


■ 50.5257, 0.3073,  
0.5499


■ 51.7603, 0.3091,  
0.5196


■ 53.3682, 0.3105,  
0.4855

■ 55.3762, 0.3116,  
0.4503

 57.8087, 0.3123,  
0.4161

 60.6884, 0.3127,  
0.3841

 64.0359, 0.3128,  
0.3552

 67.8710, 0.3127,  
0.3295

# Harmonies

## Analogous

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



49.0483, 0.4189, 0.5488



49.0483, 0.3032, 0.5903



49.0483, 0.1951, 0.4882

# Triad

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



49.0483, 0.3032, 0.5903



49.0483, 0.1207, 0.1546



49.0483, 0.5351, 0.2890

# Complementary

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



49.0483, 0.3032, 0.5903



17.6199, 0.3024, 0.1474

# 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.



49.0483, 0.4085, 0.2196



49.0483, 0.3032, 0.5903



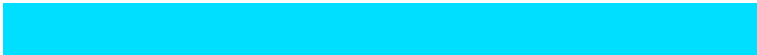
49.0483, 0.1711, 0.1468

# Square

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



49.0483, 0.3032, 0.5903



49.0483, 0.1060, 0.2025



49.0483, 0.2680, 0.1693



49.0483, 0.5723, 0.3662



# Rectangle

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



49.0483, 0.3032, 0.5903



49.0483, 0.1439, 0.3695



49.0483, 0.2680, 0.1693



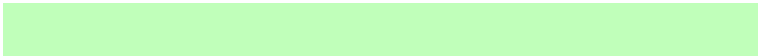
49.0483, 0.5001, 0.2647

# Sweetspot

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



49.0503, 0.3032, 0.5903



86.2447, 0.3124, 0.4063



55.2789, 0.4310, 0.4907



18.1659, 0.3123, 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.



49.0503, 0.3032, 0.5903



71.6764, 0.3013, 0.5989



49.7228, 0.2772, 0.5103



13.9437, 0.3128, 0.3530



29.1616, 0.3020, 0.5984



1.7760, 0.3078, 0.5938



# Inverse Universe

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



17.6199, 0.3024, 0.1474



24.7595, 0.3002, 0.1427



16.7122, 0.4440, 0.2275



12.5790, 0.3125, 0.3059



10.0993, 0.3007, 0.1430

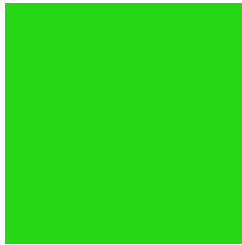


0.6247, 0.3044, 0.1451



# Previews

## White Background



This preview shows how the Yxy color 49.0483, 0.3032, 0.5903 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 49.0483, 0.3032, 0.5903 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

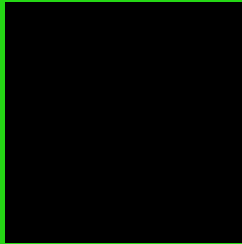
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 49.0483, 0.3032, 0.5903**

## Background



This preview shows how black text looks on a background with the Yxy color 49.0483, 0.3032, 0.5903.



This preview shows how white text looks on a background with the Yxy color 49.0483, 0.3032, 0.5903.

# 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

49.0483, 0.3032, 0.5903

### Protanopia

48.1078, 0.4404, 0.4886

### Deuteranopia

47.8792, 0.4591, 0.4499



## Tritanopia

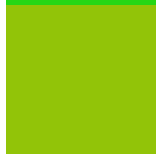
48.7532, 0.2382, 0.3066

# Trichromacy



## Original Color

49.0483, 0.3032, 0.5903



## Protanomaly

45.6084, 0.3739, 0.5390



## Deuteranomaly

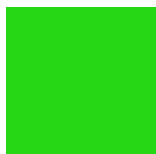
44.4470, 0.3848, 0.5140



## Tritanomaly

47.1628, 0.2676, 0.4239

# Monochromacy



## Original Color

49.0483, 0.3032, 0.5903



## Achromatopsia

26.2251, 0.3127, 0.3290



## Achromatomaly

31.3253, 0.3109, 0.4540

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 49.0483, 0.3032, 0.5903 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(37, 215, 21)` looks like.

```
.text, #text, p{  
    color:rgb(37, 215, 21)  
}
```

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(37, 215, 21) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(37, 215, 21) }
```

## Border

The CSS property to change the border of an element to Yxy 49.0483, 0.3032, 0.5903 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(37, 215, 21) }
```

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

```
.border{ border-color:rgb(37, 215, 21) }
```

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

Here you see how a box with a 4 pixel `rgb(37, 215, 21)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(37, 215, 21); -webkit-box-  
shadow:4px 4px 4px 4px rgb(37, 215, 21);  
box-shadow:4px 4px 4px 4px rgb(37, 215,  
21) }
```



# Background

The CSS property to change the background color of an element to Yxy 49.0483, 0.3032, 0.5903 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(37, 215, 21) }
```

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

```
.background{ background-color: rgb(37, 215,  
21) }
```

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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