

# Converting Colors

$Yxy(44.7005, 0.3040, 0.5968)$

Have a look what the booklet for  
Yxy(44.7005, 0.3040, 0.5968)  
contains.

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**Color**

**Yxy(44.9170, 0.3040, 0.5968)**

# Conversions

## Conversions Part 1

Format	Color
Hex	1FCF00
RGB	31, 207, 0
RGB Percent	12%, 81%, 0%
CMY	0.8781, 0.1882, 0.9996
CMYK	0.85, 0.00, 1.00, 0.19
HSL	111°, 100%, 41%
HSV	111°, 100%, 81%
XYZ	22.8800, 44.9170, 7.4661
YIQ	130.7780, -38.4490, -101.6890

# Conversions

## Conversions Part 2

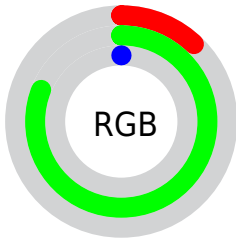
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 207, 176
Decimal	2084608
CIELab	72.84, -71.88, 71.31
CIELCh	73, 101.252, 135.231
Yxy	44.9170, 0.3040, 0.5968
Android (android.graphics.Color)	4280274688 (0xFF1FCF00)
YUV	130.7780, -64.4736, -87.5053
Hunter-Lab	67.0201, -56.3472, 40.3092

# Details

The Yxy color **44.9170, 0.3040, 0.5968** 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 **13.7400, 0.2831, 0.1333**, and the grayscale version is **22.8715, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.7066, 0.3154, 0.5400**, and **22.1332, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **44.9173, 0.3040, 0.5968**, and if you desaturate by 10%, it is **45.3245, 0.3069, 0.5869**.

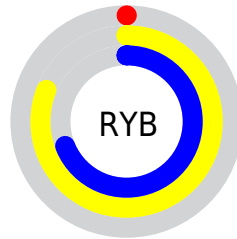
# Distribution



Red (12%)

Green (81%)

Blue (0%)



Red (0%)

Yellow (81%)

Blue (69%)

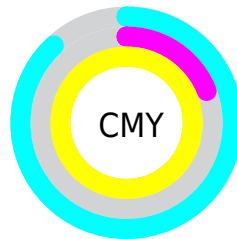


Cyan (85%)

Magenta (0%)

Yellow (100%)

Black (19%)



Cyan (88%)

Magenta (19%)


Yellow (100%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 44.9170, 0.3040, 0.5968 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 44.9170, 0.3040, 0.5968 by changing the saturation by 10% instead.




 44.9170, 0.3040,  
0.5968


 44.9170, 0.3040,  
0.5968


366.4373, 0.3216,  
0.4539


 31.3921, 0.2943,  
0.6318


 82.5958, 0.3142,  
0.5445

 20.8976, 0.2789,  
0.6744


 107.5185, 0.3169,  
0.5248

 13.0491, 0.2565,  
0.7335


 137.0093, 0.3187,  
0.5081

 7.4624, 0.2135,  
0.7865

 171.4524, 0.3198,  
0.4940

 3.7529, 0.1473,  
0.8527

 211.2324, 0.3206,  
0.4818

 1.5363, 0.0000,  
1.0000

 256.7336, 0.3211,

 0.3141, 0.0000,

0.4713

1.0000

308.3405, 0.3214,  
0.4620

■ 0.0000, 0.0000,  
0.0000

■ 44.9170, 0.3040,  
0.5968

■ 44.9170, 0.3040,  
0.5968

■ 44.9173, 0.3040,  
0.5968

■ 45.3245, 0.3069,  
0.5869

■ 45.9577, 0.3099,  
0.5699

■ 46.8554, 0.3124,  
0.5454

■ 48.0436, 0.3142,  
0.5153

■ 49.5452, 0.3153,  
0.4820

■ 51.3805, 0.3157,  
0.4476

■ 53.5683, 0.3155,  
0.4141

■ 56.1258, 0.3148,  
0.3828

■ 59.0693, 0.3139,  
0.3543

# Harmonies

## Analogous

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



44.9170, 0.4214, 0.5502



44.9170, 0.3040, 0.5968



44.9170, 0.1942, 0.4956

# Triad

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



44.9170, 0.3040, 0.5968



44.9170, 0.1174, 0.1523



44.9170, 0.5379, 0.2862

# Complementary

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



44.9170, 0.3040, 0.5968



13.7400, 0.2831, 0.1333

# 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.



44.9170, 0.4074, 0.2165



44.9170, 0.3040, 0.5968



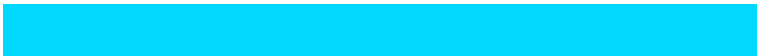
44.9170, 0.1674, 0.1440

# Square

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



44.9170, 0.3040, 0.5968



44.9170, 0.1031, 0.2014



44.9170, 0.2645, 0.1661



44.9170, 0.5771, 0.3637

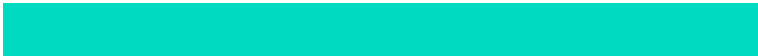


# Rectangle

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



44.9170, 0.3040, 0.5968



44.9170, 0.1419, 0.3734



44.9170, 0.2645, 0.1661



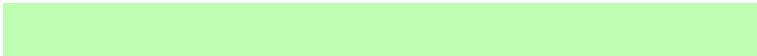
44.9170, 0.5017, 0.2618

# Sweetspot

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



44.9189, 0.3040, 0.5968



85.6957, 0.3155, 0.4155



44.3030, 0.4487, 0.4819



18.0092, 0.3156, 0.4296



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.



44.9189, 0.3040, 0.5968



71.9355, 0.3036, 0.5972



45.1014, 0.2856, 0.5481



13.2900, 0.3138, 0.3529



28.3254, 0.3045, 0.5964



1.6115, 0.3148, 0.5882



# Inverse Universe

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



13.7400, 0.2831, 0.1333



21.9443, 0.2826, 0.1330



15.0053, 0.4349, 0.2170



11.9157, 0.3114, 0.3059



8.6871, 0.2836, 0.1336

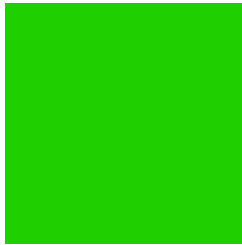


0.5107, 0.2909, 0.1376



# Previews

## White Background



This preview shows how the Yxy color 44.9170, 0.3040, 0.5968 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

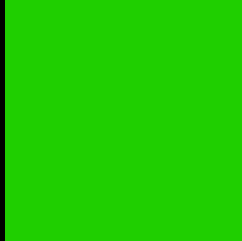
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 44.9170, 0.3040, 0.5968 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

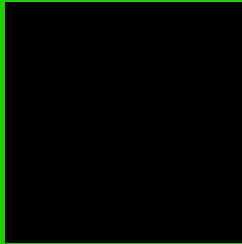
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 44.9170, 0.3040, 0.5968**

## **Background**



This preview shows how black text looks on a background with the Yxy color 44.9170, 0.3040, 0.5968.



This preview shows how white text looks on a background with the Yxy color 44.9170, 0.3040, 0.5968.

# 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

44.9170, 0.3040, 0.5968

### Protanopia

44.1201, 0.4402, 0.4887

### Deuteranopia

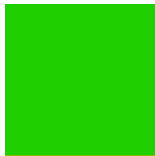
43.8827, 0.4612, 0.4507



## Tritanopia

44.4775, 0.2375, 0.3058

# Trichromacy



## Original Color

44.9170, 0.3040, 0.5968



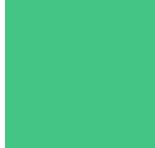
## Protanomaly

41.8842, 0.3732, 0.5419



## Deuteranomaly

40.3169, 0.3869, 0.5185



## Tritanomaly

42.8637, 0.2709, 0.4367

# Monochromacy



## Original Color

44.9170, 0.3040, 0.5968



## Achromatopsia

22.6966, 0.3127, 0.3290



## Achromatomaly

27.8537, 0.3160, 0.4712

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 44.9170, 0.3040, 0.5968 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(31, 207, 0)` looks like.

```
.text, #text, p{  
    color:rgb(31, 207, 0)  
}
```

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(31, 207, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(31, 207, 0) }
```

## Border

The CSS property to change the border of an element to Yxy 44.9170, 0.3040, 0.5968 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(31, 207, 0) }
```

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

```
.border{ border-color:rgb(31, 207, 0) }
```

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

Here you see how a box with a 4 pixel rgb(31, 207, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(31, 207, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(31, 207, 0);  
box-shadow:4px 4px 4px 4px rgb(31, 207, 0)  
}
```



# Background

The CSS property to change the background color of an element to Yxy 44.9170, 0.3040, 0.5968 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(31, 207, 0) }
```

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

```
.background{ background-color: rgb(31, 207,  
0) }
```

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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