

# Converting Colors

Yxy(51.7210, 0.3899, 0.5286)

Have a look what the booklet for  
Yxy(51.7210, 0.3899, 0.5286)  
contains.

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# Color

**Yxy(51.7318, 0.3900, 0.5285)**

# Conversions

## Conversions Part 1

Format	Color
Hex	AACC00
RGB	170, 204, 0
RGB Percent	67%, 80%, 0%
CMY	0.3332, 0.2000, 0.9993
CMYK	0.17, 0.00, 1.00, 0.20
HSL	70°, 100%, 40%
HSV	70°, 100%, 80%
XYZ	38.1748, 51.7318, 7.9776
YIQ	170.5780, 45.2200, -70.6520

# Conversions

## Conversions Part 2

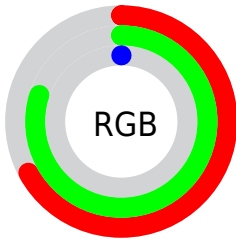
Format	Color
<a href="#">RYB</a>	<a href="#">0, 204, 34</a>
Decimal	<a href="#">11193344</a>
CIELab	<a href="#">77.12, -32.47, 76.86</a>
CIELCh	<a href="#">77, 83.442, 112.903</a>
Yxy	<a href="#">51.7318, 0.3900, 0.5285</a>
Android (android.graphics.Color)	<a href="#">4289383424 (0xFFAACC00)</a>
YUV	<a href="#">170.5780, -84.0950, -0.5069</a>
Hunter-Lab	<a href="#">71.9248, -31.1277, 43.7712</a>

# Details

The Yxy color **51.7318, 0.3900, 0.5285** is a dark color, and the websafe version is hex **99CC00**. The color can be described as dark washed chartreuse. A complement of this color would be **4.7061, 0.1569, 0.0639**, and the grayscale version is **40.9279, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.8181, 0.3863, 0.4925**, and **25.2574, 0.3759, 0.5398** is the 20% darker color. If you saturate the color by 10%, you get **51.7305, 0.3900, 0.5285**, and if you desaturate by 10%, it is **52.1703, 0.3908, 0.5221**.

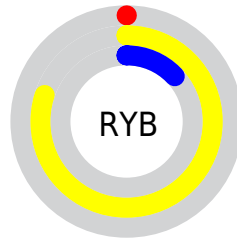
# Distribution



Red (67%)

Green (80%)

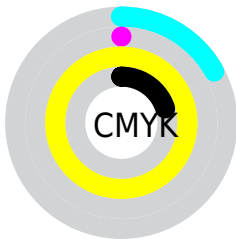
Blue (0%)



Red (0%)

Yellow (80%)

Blue (13%)

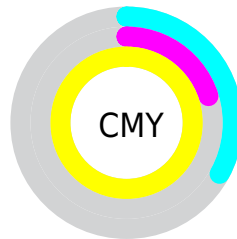


Cyan (17%)

Magenta (0%)

Yellow (100%)

Black (20%)



Cyan (33%)

Magenta (20%)


Yellow (100%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 51.7318, 0.3900, 0.5285 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 51.7318, 0.3900, 0.5285 by changing the saturation by 10% instead.





 51.7318, 0.3900,  
0.5285

 51.7318, 0.3900,  
0.5285


393.4003, 0.3628,  
0.4330


 36.7913, 0.3920,  
0.5485


 92.7356, 0.3836,  
0.4962

 25.0460, 0.3918,  
0.5712


 119.5677, 0.3801,  
0.4833

 16.1113, 0.3891,  
0.5995


 151.1325, 0.3767,  
0.4721

 9.6030, 0.3753,  
0.6247

 187.8143, 0.3735,  
0.4622

 5.1365, 0.3482,  
0.6518

 229.9977, 0.3705,  
0.4536

 2.3276, 0.3047,  
0.6953

 278.0668, 0.3678,

 0.7882, 0.0000,

0.4459

1.0000

332.4063, 0.3652,  
0.4391

■ 0.0000, 0.0000,  
0.0000

■ 51.7318, 0.3900,  
0.5285

■ 51.7318, 0.3900,  
0.5285

■ 51.7305, 0.3900,  
0.5285

■ 52.1703, 0.3908,  
0.5221

■ 52.6715, 0.3895,  
0.5118

■ 53.2564, 0.3856,  
0.4970

■ 53.9350, 0.3793,  
0.4781

■ 54.7160, 0.3707,  
0.4558

■ 55.6067, 0.3604,  
0.4312

■ 56.6140, 0.3490,  
0.4053

■ 57.7440, 0.3369,  
0.3791

■ 59.0024, 0.3247,  
0.3534

# Harmonies

## Analogous

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



51.7318, 0.4772, 0.4653



51.7318, 0.3900, 0.5285



51.7318, 0.2898, 0.5252

# Triad

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



51.7318, 0.3900, 0.5285



51.7318, 0.1348, 0.2120



51.7318, 0.4191, 0.2512

# Complementary

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



51.7318, 0.3900, 0.5285



4.7061, 0.1569, 0.0639

# 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.



51.7318, 0.3028, 0.2011



51.7318, 0.3900, 0.5285



51.7318, 0.1550, 0.1763

# Square

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



51.7318, 0.3900, 0.5285



51.7318, 0.1480, 0.2946



51.7318, 0.2098, 0.1748



51.7318, 0.5087, 0.3164



# Rectangle

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



51.7318, 0.3900, 0.5285



51.7318, 0.2273, 0.4649



51.7318, 0.2098, 0.1748



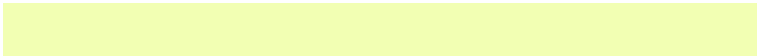
51.7318, 0.3803, 0.2323

# Sweetspot

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



51.7341, 0.3900, 0.5285



93.6756, 0.3495, 0.4065



13.9900, 0.6240, 0.3426



19.8936, 0.3545, 0.4176



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.



51.7341, 0.3900, 0.5285



85.5904, 0.3896, 0.5289



44.4187, 0.3168, 0.5866



12.9984, 0.3240, 0.3521



32.5952, 0.3904, 0.5282



1.7073, 0.3964, 0.5235



# Inverse Universe

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



4.7061, 0.1569, 0.0639



7.7230, 0.1561, 0.0634



9.6025, 0.2379, 0.1085



10.9323, 0.3008, 0.3052



2.9857, 0.1577, 0.0643



0.1827, 0.1746, 0.0736



# Previews

## White Background



This preview shows how the Yxy color 51.7318, 0.3900, 0.5285 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 51.7318, 0.3900, 0.5285 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 51.7318, 0.3900, 0.5285**

## **Background**



This preview shows how black text looks on a background with the Yxy color 51.7318, 0.3900, 0.5285.



This preview shows how white text looks on a background with the Yxy color 51.7318, 0.3900, 0.5285.

# 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

51.7318, 0.3900, 0.5285

### Protanopia

51.1231, 0.4407, 0.4883

### Deuteranopia

51.2952, 0.4666, 0.4553



## Tritanopia

51.6738, 0.2984, 0.3104

# Trichromacy



## Original Color

51.7318, 0.3900, 0.5285

## Protanomaly

51.0360, 0.4220, 0.5031

## Deuteranomaly

50.9041, 0.4397, 0.4826

## Tritanomaly

50.3722, 0.3485, 0.4137

# Monochromacy



## Original Color

51.7318, 0.3900, 0.5285

## Achromatopsia

40.7240, 0.3127, 0.3290

## Achromatomaly

43.6290, 0.3610, 0.4316

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 51.7318, 0.3900, 0.5285 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(170, 204, 0)` looks like.

```
.text, #text, p{  
    color:rgb(170, 204, 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(170, 204, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 204, 0) }
```

## Border

The CSS property to change the border of an element to Yxy 51.7318, 0.3900, 0.5285 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(170, 204, 0) }
```

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

```
.border{ border-color:rgb(170, 204, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 204, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 204, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 204, 0);  
box-shadow:4px 4px 4px 4px rgb(170, 204,  
0) }
```



# Background

The CSS property to change the background color of an element to Yxy 51.7318, 0.3900, 0.5285 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 204, 0) }
```

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

```
.background{ background-color: rgb(170,  
204, 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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