

# Converting Colors

Yxy(51.4742, 0.3003, 0.5717)

Have a look what the booklet for  
Yxy(51.4742, 0.3003, 0.5717)  
contains.

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# Color

**Yxy(51.4742, 0.3003, 0.5717)**

# Conversions

## Conversions Part 1

Format	Color
Hex	2EDB32
RGB	46, 219, 50
RGB Percent	18%, 86%, 20%
CMY	0.8191, 0.1412, 0.8040
CMYK	0.79, 0.00, 0.77, 0.14
HSL	121°, 71%, 52%
HSV	121°, 79%, 86%
XYZ	27.0381, 51.4742, 11.5247
YIQ	148.0070, -48.8590, -89.2350

# Conversions

## Conversions Part 2

Format	Color
<a href="#">RYB</a>	46, 215, 219
Decimal	3070770
CIELab	76.97, -71.87, 65.68
CIELCh	77, 97.363, 137.579
Yxy	51.4742, 0.3003, 0.5717
Android (android.graphics.Color)	4281260850 (0xFF2EDB32)
YUV	148.0070, -48.3175, -89.4601
Hunter-Lab	71.7455, -58.2849, 40.6979

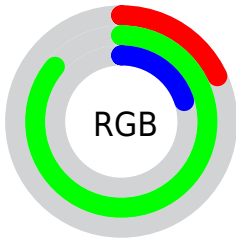
# Details

The Yxy color **51.4742, 0.3003, 0.5717** is a dark color, and the websafe version is hex **00CC00**.

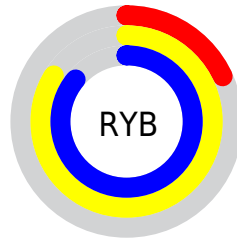
The color can be described as dark washed green. A complement of this color would be **21.9393, 0.3247, 0.1677**, and the grayscale version is **29.8550, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.7403, 0.3104, 0.5123**, and **25.8407, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **50.9459, 0.2998, 0.5891**, and if you desaturate by 10%, it is **52.3525, 0.3012, 0.5463**.

# Distribution



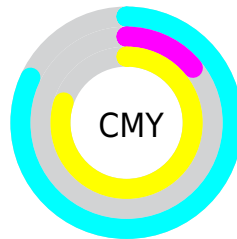
- Red (18%)
- Green (86%)
- Blue (20%)



- Red (18%)
- Yellow (84%)
- Blue (86%)



- Cyan (79%)
- Magenta (0%)
- Yellow (77%)
- Black (14%)




- Cyan (82%)
- Magenta (14%)
- Yellow (80%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 51.4742, 0.3003, 0.5717 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 51.4742, 0.3003, 0.5717 by changing the saturation by 10% instead.




 51.4742, 0.3003,  
0.5717

 51.4742, 0.3003,  
0.5717


392.4034, 0.3166,  
0.4436

 36.5861, 0.2926,  
0.6035


 92.3553, 0.3089,  
0.5248


 24.8872, 0.2806,  
0.6430


 119.1172, 0.3113,  
0.5071

 15.9930, 0.2614,  
0.6921


 150.6058, 0.3130,  
0.4923

 9.5192, 0.2341,  
0.7659


 187.2055, 0.3142,  
0.4796

 5.0814, 0.1788,  
0.8212

 229.3007, 0.3151,  
0.4687

 2.2951, 0.0131,  
0.9869

277.2758, 0.3158,


 0.7711, 0.0000,


0.4593


1.0000


331.5152, 0.3162,  
0.4510


 0.0000, 0.0000,  
0.0000


 51.4742, 0.3003,  
0.5717


 51.4742, 0.3003,  
0.5717


 50.9459, 0.2998,  
0.5891


 52.3525, 0.3012,  
0.5463


 50.6929, 0.2997,  
0.5982


 53.6196, 0.3026,  
0.5149

 50.6728, 0.2997,  
0.5989


 55.3163, 0.3043,  
0.4803


 57.4762, 0.3061,  
0.4449

 60.1300, 0.3079,  
0.4109

 63.3055, 0.3097,  
0.3795

 67.0286, 0.3114,  
0.3513

 71.3233, 0.3129,  
0.3265

 76.2122, 0.3142,  
0.3050

# Harmonies

## Analogous

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



51.4742, 0.4116, 0.5442



51.4742, 0.3003, 0.5717



51.4742, 0.1973, 0.4679

# Triad

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



51.4742, 0.3003, 0.5717



51.4742, 0.1302, 0.1610



51.4742, 0.5272, 0.2969

# Complementary

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



51.4742, 0.3003, 0.5717



21.9393, 0.3247, 0.1677

# 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.



51.4742, 0.4116, 0.2286



51.4742, 0.3003, 0.5717



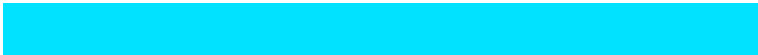
51.4742, 0.1819, 0.1547

# Square

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



51.4742, 0.3003, 0.5717



51.4742, 0.1142, 0.2056



51.4742, 0.2779, 0.1783



51.4742, 0.5589, 0.3729



# Rectangle

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



51.4742, 0.3003, 0.5717



51.4742, 0.1492, 0.3587



51.4742, 0.2779, 0.1783



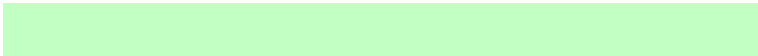
51.4742, 0.4957, 0.2730

# Sweetspot

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



51.4763, 0.3003, 0.5717



86.9102, 0.3088, 0.3957



65.4773, 0.4103, 0.4959



18.2696, 0.3081, 0.4072



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.



51.4763, 0.3003, 0.5717



71.6478, 0.2998, 0.5961



53.0082, 0.2671, 0.4587



14.6109, 0.3113, 0.3526



30.0492, 0.2996, 0.5985



1.9484, 0.2983, 0.5939



# Inverse Universe

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



21.9393, 0.3247, 0.1677



28.4199, 0.3263, 0.1583



18.6281, 0.4522, 0.2463



13.2696, 0.3141, 0.3065



11.8152, 0.3265, 0.1572

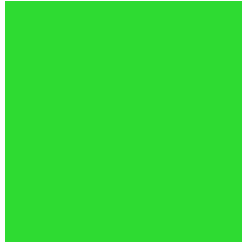


0.7671, 0.3255, 0.1567



# Previews

## White Background



This preview shows how the Yxy color 51.4742, 0.3003, 0.5717 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 51.4742, 0.3003, 0.5717 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

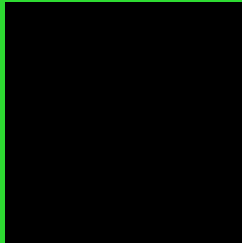
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

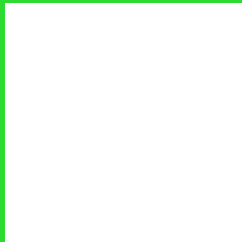
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 51.4742, 0.3003, 0.5717**

## **Background**



This preview shows how black text looks on a background with the Yxy color 51.4742, 0.3003, 0.5717.

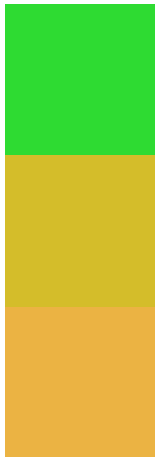


This preview shows how white text looks on a background with the Yxy color 51.4742, 0.3003, 0.5717.

# 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

51.4742, 0.3003, 0.5717

### Protanopia

50.5594, 0.4323, 0.4776

### Deuteranopia

50.3076, 0.4508, 0.4412



## Tritanopia

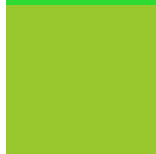
51.0588, 0.2382, 0.3057

# Trichromacy



## Original Color

51.4742, 0.3003, 0.5717



## Protanomaly

48.1734, 0.3695, 0.5223



## Deuteranomaly

47.0275, 0.3795, 0.4977



## Tritanomaly

49.8096, 0.2634, 0.4053

# Monochromacy



## Original Color

51.4742, 0.3003, 0.5717



## Achromatopsia

29.6138, 0.3127, 0.3290



## Achromatomaly

34.8215, 0.3070, 0.4342

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 51.4742, 0.3003, 0.5717 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(46, 219, 50)` looks like.

```
.text, #text, p{  
    color:rgb(46, 219, 50)  
}
```

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(46, 219, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 219, 50) }
```

## Border

The CSS property to change the border of an element to Yxy 51.4742, 0.3003, 0.5717 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(46, 219, 50) }
```

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

```
.border{ border-color:rgb(46, 219, 50) }
```

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

Here you see how a box with a 4 pixel rgb(46, 219, 50) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 219, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 219, 50);  
box-shadow:4px 4px 4px 4px rgb(46, 219,  
50) }
```



# Background

The CSS property to change the background color of an element to Yxy 51.4742, 0.3003, 0.5717 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 219, 50) }
```

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

```
.background{ background-color: rgb(46, 219,  
50) }
```

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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