

# Converting Colors

$Y_{xy}(41.1913, 0.3027, 0.5460)$

Have a look what the booklet for  
Yxy(41.1913, 0.3027, 0.5460)  
contains.

<b>Yxy(41.3481, 0.3025, 0.5459)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

**Color**

**Yxy(41.3481, 0.3025, 0.5459)**

# Conversions

## Conversions Part 1

Format	Color
Hex	3FC53F
RGB	63, 197, 63
RGB Percent	25%, 77%, 25%
CMY	0.7531, 0.2274, 0.7527
CMYK	0.68, 0.00, 0.68, 0.23
HSL	120°, 54%, 51%
HSV	120°, 68%, 77%
XYZ	22.9123, 41.3481, 11.4826
YIQ	141.6580, -36.8500, -70.0820

# Conversions

## Conversions Part 2

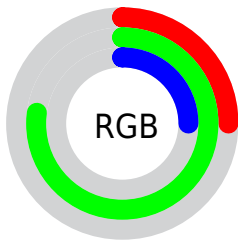
<b>Format</b>	<b>Color</b>
<b>RYB</b>	63, 197, 197
Decimal	4179263
CIELab	70.42, -61.32, 54.51
CIELCh	70, 82.040, 138.364
Yxy	41.3481, 0.3025, 0.5459
Android (android.graphics.Color)	4282369343 (0xFF3FC53F)
YUV	141.6580, -38.7784, -68.9831
Hunter-Lab	64.3025, -48.9263, 34.4242

# Details

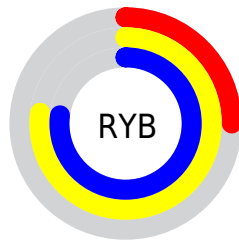
The Yxy color **41.3481, 0.3025, 0.5459** is a dark color, and the websafe version is hex **33CC33**. The color can be described as dark muted green. A complement of this color would be **19.4485, 0.3199, 0.1784**, and the grayscale version is **27.0730, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.3164, 0.3093, 0.5012**, and **19.3460, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **40.6313, 0.3013, 0.5716**, and if you desaturate by 10%, it is **42.3790, 0.3040, 0.5142**.

# Distribution



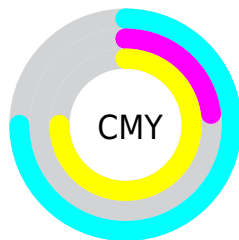
- Red (25%)
- Green (77%)
- Blue (25%)



- Red (25%)
- Yellow (77%)
- Blue (77%)



- Cyan (68%)
- Magenta (0%)
- Yellow (68%)
- Black (23%)




- Cyan (75%)
- Magenta (23%)
- Yellow (75%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 41.3481, 0.3025, 0.5459 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 41.3481, 0.3025, 0.5459 by changing the saturation by 10% instead.




 41.3481, 0.3025,  
0.5459


 41.3481, 0.3025,  
0.5459


351.7734, 0.3155,  
0.4272


 28.5912, 0.2959,  
0.5774


 77.2120, 0.3096,  
0.5010

 18.7718, 0.2851,  
0.6181


 101.0879, 0.3115,  
0.4846


 11.5055, 0.2668,  
0.6711


 129.4388, 0.3129,  
0.4709

 6.4079, 0.2407,  
0.7593

 162.6491, 0.3138,  
0.4594

 3.0947, 0.1740,  
0.8260

 201.1034, 0.3145,  
0.4496

 1.1814, 0.0000,  
1.0000

245.1859, 0.3150,

 0.0464, 0.0000,

0.4411

1.0000

295.2811, 0.3153,  
0.4337

■ 0.0000, 0.0000,  
0.0000

■ 41.3481, 0.3025,  
0.5459

■ 41.3481, 0.3025,  
0.5459

■ 40.6313, 0.3013,  
0.5716

■ 42.3790, 0.3040,  
0.5142

■ 40.1885, 0.3005,  
0.5892

■ 43.7485, 0.3056,  
0.4791


■ 39.9687, 0.3001,  
0.5985

■ 45.4848, 0.3073,  
0.4434


■ 39.9354, 0.3000,  
0.6000


■ 47.6114, 0.3089,  
0.4091

■ 50.1502, 0.3104,  
0.3775

 53.1214, 0.3118,  
0.3492

 56.5436, 0.3129,  
0.3244

 60.4346, 0.3140,  
0.3029

 64.8112, 0.3148,  
0.2844

# Harmonies

## Analogous

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



41.3481, 0.4065, 0.5306



41.3481, 0.3025, 0.5459



41.3481, 0.2062, 0.4498

# Triad

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



41.3481, 0.3025, 0.5459



41.3481, 0.1430, 0.1724



41.3481, 0.5099, 0.3035

# Complementary

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



41.3481, 0.3025, 0.5459



19.4485, 0.3199, 0.1784

# 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.



41.3481, 0.4065, 0.2380



41.3481, 0.3025, 0.5459



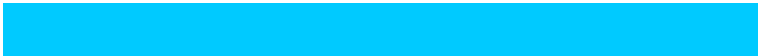
41.3481, 0.1935, 0.1665

# Square

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



41.3481, 0.3025, 0.5459



41.3481, 0.1271, 0.2149



41.3481, 0.2846, 0.1896



41.3481, 0.5395, 0.3768

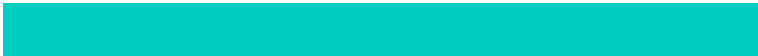


# Rectangle

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



41.3481, 0.3025, 0.5459



41.3481, 0.1609, 0.3538



41.3481, 0.2846, 0.1896



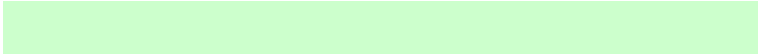
41.3481, 0.4817, 0.2805

# Sweetspot

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



41.3498, 0.3025, 0.5459



88.7187, 0.3101, 0.3844



52.1645, 0.4045, 0.4807



18.7057, 0.3097, 0.3933



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.



41.3498, 0.3025, 0.5459



72.2961, 0.3008, 0.5819



42.6016, 0.2696, 0.4410



11.8880, 0.3116, 0.3528



26.2657, 0.3000, 0.5999



1.2437, 0.2999, 0.5998



# Inverse Universe

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



19.4485, 0.3199, 0.1784



30.4168, 0.3207, 0.1619



17.0325, 0.4194, 0.2478



10.8165, 0.3138, 0.3063



10.4551, 0.3211, 0.1542

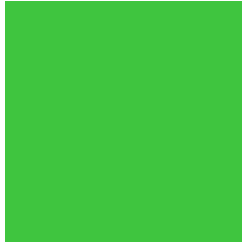


0.4951, 0.3211, 0.1542



# Previews

## White Background



This preview shows how the Yxy color 41.3481, 0.3025, 0.5459 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 41.3481, 0.3025, 0.5459 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 41.3481, 0.3025, 0.5459**

## **Background**



This preview shows how black text looks on a background with the Yxy color 41.3481, 0.3025, 0.5459.



This preview shows how white text looks on a background with the Yxy color 41.3481, 0.3025, 0.5459.

# 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

41.3481, 0.3025, 0.5459

### Protanopia

40.4877, 0.4232, 0.4661

### Deuteranopia

40.3457, 0.4400, 0.4294



## Tritanopia

41.0571, 0.2434, 0.3066

# Trichromacy



## Original Color

41.3481, 0.3025, 0.5459



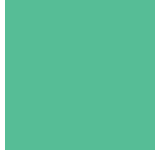
## Protanomaly

38.8876, 0.3685, 0.5009



## Deuteranomaly

38.3840, 0.3787, 0.4756



## Tritanomaly

40.5756, 0.2665, 0.3926

# Monochromacy



## Original Color

41.3481, 0.3025, 0.5459



## Achromatopsia

27.0498, 0.3127, 0.3290



## Achromatomaly

30.5436, 0.3087, 0.4151

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 41.3481, 0.3025, 0.5459 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(63, 197, 63)` looks like.

```
.text, #text, p{  
    color:rgb(63, 197, 63)  
}
```

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(63, 197, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 197, 63) }
```

## Border

The CSS property to change the border of an element to Yxy 41.3481, 0.3025, 0.5459 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(63, 197, 63) }
```

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

```
.border{ border-color:rgb(63, 197, 63) }
```

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

Here you see how a box with a 4 pixel `rgb(63, 197, 63)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 197, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 197, 63);  
box-shadow:4px 4px 4px 4px rgb(63, 197,  
63) }
```



# Background

The CSS property to change the background color of an element to Yxy 41.3481, 0.3025, 0.5459 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 197, 63) }
```

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

```
.background{ background-color: rgb(63, 197,  
63) }
```

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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