

# Converting Colors

$Yxy(41.2195, 0.2871, 0.5021)$

Have a look what the booklet for  
Yxy(41.2195, 0.2871, 0.5021)  
contains.

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# Color

**Yxy(41.2178, 0.2871, 0.5021)**

# Conversions

## Conversions Part 1

Format	Color
Hex	3BC45E
RGB	59, 196, 94
RGB Percent	23%, 77%, 37%
CMY	0.7683, 0.2314, 0.6313
CMYK	0.70, 0.00, 0.52, 0.23
HSL	135°, 54%, 50%
HSV	135°, 70%, 77%
XYZ	23.5683, 41.2178, 17.3047
YIQ	143.4090, -48.9100, -60.7660

# Conversions

## Conversions Part 2

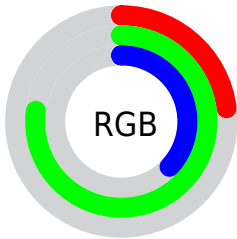
Format	Color
<a href="#">RYB</a>	59, 168, 196
Decimal	3916894
CIELab	70.33, -57.98, 40.51
CIELCh	70, 70.730, 145.061
Yxy	41.2178, 0.2871, 0.5021
Android (android.graphics.Color)	4282106974 (0xFF3BC45E)
YUV	143.4090, -24.3586, -74.0267
Hunter-Lab	64.2011, -46.8244, 28.9598

# Details

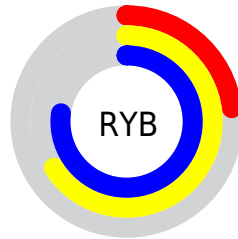
The Yxy color **41.2178, 0.2871, 0.5021** is a dark color, and the websafe version is hex **33CC66**. The color can be described as dark muted green. A complement of this color would be **17.4492, 0.3676, 0.2084**, and the grayscale version is **27.7658, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.1699, 0.2949, 0.4663**, and **19.2316, 0.2869, 0.5529** is the 20% darker color. If you saturate the color by 10%, you get **40.4900, 0.2873, 0.5283**, and if you desaturate by 10%, it is **42.2234, 0.2883, 0.4741**.

# Distribution



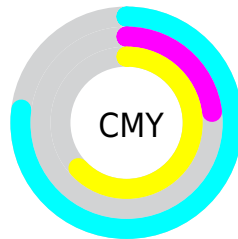
- Red (23%)
- Green (77%)
- Blue (37%)



- Red (23%)
- Yellow (66%)
- Blue (77%)



- Cyan (70%)
- Magenta (0%)
- Yellow (52%)
- Black (23%)




- Cyan (77%)
- Magenta (23%)
- Yellow (63%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 41.2178, 0.2871, 0.5021 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 41.2178, 0.2871, 0.5021 by changing the saturation by 10% instead.





 41.2178, 0.2871,  
0.5021


 41.2178, 0.2871,  
0.5021

351.2301, 0.3048,  
0.4068


 28.4893, 0.2808,  
0.5284


 77.0144, 0.2949,  
0.4655

 18.6948, 0.2713,  
0.5635


 100.8513, 0.2974,  
0.4523

 11.4500, 0.2564,  
0.6117


 129.1598, 0.2993,  
0.4414

 6.3704, 0.2312,  
0.6807

 162.3243, 0.3009,  
0.4323

 3.0716, 0.1907,  
0.8093

 200.7292, 0.3021,  
0.4245

 1.1692, 0.0000,  
1.0000

244.7589, 0.3031,

 0.0363, 0.0000,

0.4178

1.0000

294.7977, 0.3040,  
0.4119

■ 0.0000, 0.0000,  
0.0000

■ 41.2178, 0.2871,  
0.5021

■ 41.2178, 0.2871,  
0.5021

■ 40.4900, 0.2873,  
0.5283

■ 42.2234, 0.2883,  
0.4741

■ 40.0055, 0.2890,  
0.5513

■ 43.5269, 0.2908,  
0.4458

■ 39.7124, 0.2917,  
0.5700

■ 45.1522, 0.2943,  
0.4183

■ 39.7086, 0.2917,  
0.5703

■ 47.1193, 0.2985,  
0.3925

■ 49.4466, 0.3032,  
0.3689

■ 52.1512, 0.3080,  
0.3476

■ 55.2490, 0.3128,  
0.3287

■ 58.7551, 0.3175,  
0.3122

■ 62.6838, 0.3221,  
0.2977

# Harmonies

## Analogous

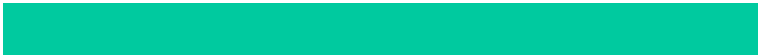
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



41.2178, 0.3809, 0.5155



41.2178, 0.2871, 0.5021



41.2178, 0.2052, 0.4054

# Triad

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



41.2178, 0.2871, 0.5021



41.2178, 0.1679, 0.1856



41.2178, 0.4961, 0.3241

# Complementary

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



41.2178, 0.2871, 0.5021



17.4492, 0.3676, 0.2084

# 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.



41.2178, 0.4178, 0.2613



41.2178, 0.2871, 0.5021



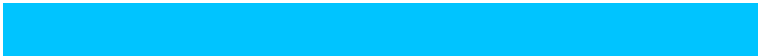
41.2178, 0.2226, 0.1857

# Square

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



41.2178, 0.2871, 0.5021



41.2178, 0.1464, 0.2177



41.2178, 0.3116, 0.2123



41.2178, 0.5095, 0.3931

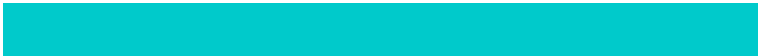


# Rectangle

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



41.2178, 0.2871, 0.5021



41.2178, 0.1690, 0.3267



41.2178, 0.3116, 0.2123



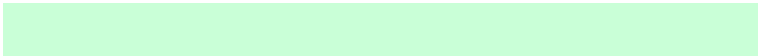
41.2178, 0.4762, 0.3022

# Sweetspot

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



41.2195, 0.2871, 0.5021



88.9118, 0.3025, 0.3722



47.4527, 0.3753, 0.5033



18.7692, 0.3011, 0.3787



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.



41.2195, 0.2871, 0.5021



72.8213, 0.2881, 0.5414



43.0117, 0.2505, 0.3842



11.3000, 0.3082, 0.3466



25.5275, 0.2911, 0.5680



1.1146, 0.2783, 0.5219



# Inverse Universe

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



17.4492, 0.3676, 0.2084



27.0197, 0.3836, 0.1975



15.6691, 0.4869, 0.2898



10.2022, 0.3176, 0.3120



8.8891, 0.3971, 0.1961



0.3947, 0.3766, 0.1848



# Previews

## White Background



This preview shows how the Yxy color 41.2178, 0.2871, 0.5021 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 41.2178, 0.2871, 0.5021 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 41.2178, 0.2871, 0.5021**

## **Background**



This preview shows how black text looks on a background with the Yxy color 41.2178, 0.2871, 0.5021.



This preview shows how white text looks on a background with the Yxy color 41.2178, 0.2871, 0.5021.

# 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

41.2178, 0.2871, 0.5021

### Protanopia

40.4731, 0.4021, 0.4405

### Deuteranopia

40.4391, 0.4120, 0.4037



## Tritanopia

41.1952, 0.2403, 0.3066

# Trichromacy



## Original Color

41.2178, 0.2871, 0.5021



## Protanomaly

39.0098, 0.3489, 0.4683



## Deuteranomaly

38.3523, 0.3538, 0.4410



## Tritanomaly

40.7177, 0.2575, 0.3741

# Monochromacy



## Original Color

41.2178, 0.2871, 0.5021



## Achromatopsia

27.4677, 0.3127, 0.3290



## Achromatomaly

30.7661, 0.2981, 0.3935

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 41.2178, 0.2871, 0.5021 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(59, 196, 94)` looks like.

```
.text, #text, p{  
    color:rgb(59, 196, 94)  
}
```

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(59, 196, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 196, 94) }
```

## Border

The CSS property to change the border of an element to Yxy 41.2178, 0.2871, 0.5021 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(59, 196, 94) }
```

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

```
.border{ border-color:rgb(59, 196, 94) }
```

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

Here you see how a box with a 4 pixel `rgb(59, 196, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 196, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 196, 94);  
box-shadow:4px 4px 4px 4px rgb(59, 196,  
94) }
```



# Background

The CSS property to change the background color of an element to Yxy 41.2178, 0.2871, 0.5021 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 196, 94) }
```

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

```
.background{ background-color: rgb(59, 196,  
94) }
```

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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