

Converting Colors

$Y_{xy}(40.1534, 0.2786, 0.5528)$

Have a look what the booklet for
Yxy(40.1534, 0.2786, 0.5528)
contains.

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Color

Yxy(40.8178, 0.2856, 0.5481)

Conversions

Conversions Part 1

Format	Color
Hex	00C645
RGB	0, 198, 69
RGB Percent	0%, 78%, 27%
CMY	0.9994, 0.2235, 0.7295
CMYK	1.00, 0.00, 0.65, 0.22
HSL	141°, 100%, 39%
HSV	141°, 100%, 78%
XYZ	21.2690, 40.8178, 12.3846
YIQ	124.0920, -76.5990, -82.0950

Conversions

Conversions Part 2

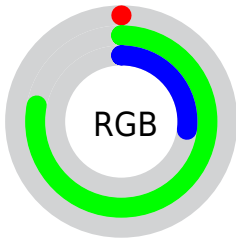
Format	Color
RYB	0, 147, 198
Decimal	50757
CIELab	70.05, -67.34, 51.46
CIELCh	70, 84.749, 142.616
Yxy	40.8178, 0.2856, 0.5481
Android (android.graphics.Color)	4278240837 (0xFF00C645)
YUV	124.0920, -27.1604, -108.8287
Hunter-Lab	63.8888, -52.3815, 33.2290

Details

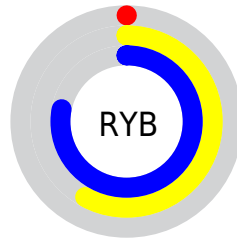
The Yxy color **40.8178, 0.2856, 0.5481** is a dark color, and the websafe version is hex **00CC33**. The color can be described as dark washed green. A complement of this color would be **13.5985, 0.4336, 0.2163**, and the grayscale version is **20.3147, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.6918, 0.2956, 0.5013**, and **19.3592, 0.2990, 0.5964** is the 20% darker color. If you saturate the color by 10%, you get **40.8174, 0.2856, 0.5482**, and if you desaturate by 10%, it is **41.1448, 0.2825, 0.5282**.

Distribution



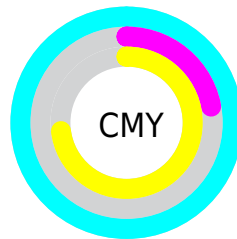
- Red (0%)
- Green (78%)
- Blue (27%)



- Red (0%)
- Yellow (58%)
- Blue (78%)



- Cyan (100%)
- Magenta (0%)
- Yellow (65%)
- Black (22%)




- Cyan (100%)
- Magenta (22%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.8178, 0.2856, 0.5481 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 40.8178, 0.2856, 0.5481 by changing the saturation by 10% instead.


 40.8178, 0.2856,
0.5481

 40.8178, 0.2856,
0.5481


349.5585, 0.3070,
0.4268

 28.1767, 0.2770,
0.5811


 76.4072, 0.2956,
0.5017


 18.4589, 0.2640,
0.6241


 100.1244, 0.2987,
0.4849

 11.2800, 0.2430,
0.6812


 128.3024, 0.3010,
0.4710

 6.2555, 0.2145,
0.7824

 161.3256, 0.3028,
0.4593

 3.0010, 0.1343,
0.8657

 199.5784, 0.3042,
0.4494

 1.1323, 0.0000,
1.0000

243.4453, 0.3053,

 0.0053, 0.0000,

0.4408

1.0000

293.3105, 0.3062,
0.4334

■ 0.0000, 0.0000,
0.0000

■ 40.8178, 0.2856,
0.5481

■ 40.8178, 0.2856,
0.5481

■ 40.8174, 0.2856,
0.5482

■ 41.1448, 0.2825,
0.5282

■ 41.6578, 0.2806,
0.5057

■ 42.4123, 0.2805,
0.4813

■ 43.4376, 0.2822,
0.4560

■ 44.7583, 0.2853,
0.4310

■ 46.3966, 0.2896,
0.4070

■ 48.3720, 0.2948,
0.3845

■ 50.7028, 0.3006,
0.3639

■ 53.4057, 0.3066,
0.3454

Harmonies

Analogous

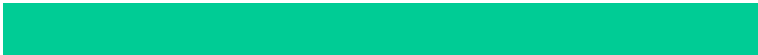
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



40.8178, 0.3928, 0.5446



40.8178, 0.2856, 0.5481



40.8178, 0.1907, 0.4337

Triad

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



40.8178, 0.2856, 0.5481



40.8178, 0.1436, 0.1652



40.8178, 0.5266, 0.3120

Complementary

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



40.8178, 0.2856, 0.5481



13.5985, 0.4336, 0.2163

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.



40.8178, 0.4277, 0.2439



40.8178, 0.2856, 0.5481



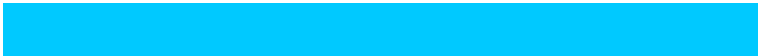
40.8178, 0.2005, 0.1639

Square

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



40.8178, 0.2856, 0.5481



40.8178, 0.1226, 0.2019



40.8178, 0.2999, 0.1913



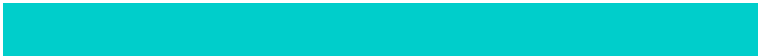
40.8178, 0.5438, 0.3875

Rectangle

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



40.8178, 0.2856, 0.5481



40.8178, 0.1489, 0.3339



40.8178, 0.2999, 0.1913



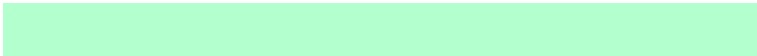
40.8178, 0.5012, 0.2883

Sweetspot

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



40.8195, 0.2856, 0.5481



85.4576, 0.2945, 0.3856



45.2989, 0.3615, 0.5511



17.9579, 0.2922, 0.3951



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.



40.8195, 0.2856, 0.5481



72.2366, 0.2863, 0.5508



43.1076, 0.2397, 0.3828



11.9478, 0.3069, 0.3444



26.5587, 0.2849, 0.5458



1.2713, 0.2728, 0.5020

Inverse Universe

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



13.5985, 0.4336, 0.2163



24.0234, 0.4358, 0.2174



12.1197, 0.6164, 0.3170



10.7515, 0.3190, 0.3140



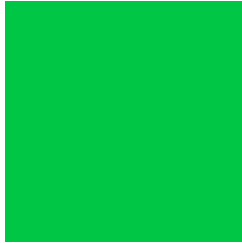
8.8570, 0.4318, 0.2152



0.4327, 0.4030, 0.1994

Previews

White Background



This preview shows how the Yxy color 40.8178, 0.2856, 0.5481 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 40.8178, 0.2856, 0.5481 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 40.8178, 0.2856, 0.5481

Background



This preview shows how black text looks on a background with the Yxy color 40.8178, 0.2856, 0.5481.



This preview shows how white text looks on a background with the Yxy color 40.8178, 0.2856, 0.5481.

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

40.8178, 0.2856, 0.5481

Protanopia

40.0335, 0.4204, 0.4617

Deuteranopia

40.1215, 0.4345, 0.4257



Tritanopia

40.5735, 0.2346, 0.3062

Trichromacy



Original Color

40.8178, 0.2856, 0.5481



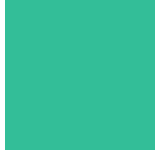
Protanomaly

37.0776, 0.3448, 0.5087



Deuteranomaly

36.2501, 0.3521, 0.4823



Tritanomaly

39.7977, 0.2512, 0.3929

Monochromacy



Original Color

40.8178, 0.2856, 0.5481



Achromatopsia

20.1556, 0.3127, 0.3290



Achromatomaly

24.7950, 0.2866, 0.4232

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.8178, 0.2856, 0.5481 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(0, 198, 69)` looks like.

```
.text, #text, p{  
    color:rgb(0, 198, 69)  
}
```

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(0, 198, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 198, 69) }
```

Border

The CSS property to change the border of an element to Yxy 40.8178, 0.2856, 0.5481 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(0, 198, 69) }
```

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

```
.border{ border-color:rgb(0, 198, 69) }
```

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

Here you see how a box with a 4 pixel rgb(0, 198, 69) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 198, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 198, 69);  
box-shadow:4px 4px 4px 4px rgb(0, 198, 69)  
}
```


Background

The CSS property to change the background color of an element to Yxy 40.8178, 0.2856, 0.5481 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 198, 69) }
```

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

```
.background{ background-color: rgb(0, 198,  
69) }
```

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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