

Converting Colors

$Y_{xy}(40.9148, 0.2795, 0.5263)$

Have a look what the booklet for
Yxy(40.9148, 0.2795, 0.5263)
contains.

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Color

Yxy(41.0283, 0.2795, 0.5261)

Conversions

Conversions Part 1

Format	Color
Hex	00C654
RGB	0, 198, 84
RGB Percent	0%, 78%, 33%
CMY	0.9990, 0.2235, 0.6705
CMYK	1.00, 0.00, 0.58, 0.22
HSL	145°, 100%, 39%
HSV	145°, 100%, 78%
XYZ	21.7970, 41.0283, 15.1604
YIQ	125.8020, -81.4140, -77.4300

Conversions

Conversions Part 2

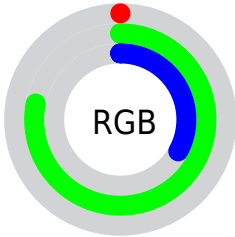
Format	Color
RYB	0, 139, 198
Decimal	50772
CIELab	70.20, -65.49, 44.95
CIELCh	70, 79.430, 145.532
Yxy	41.0283, 0.2795, 0.5261
Android (android.graphics.Color)	4278240852 (0xFF00C654)
YUV	125.8020, -20.6084, -110.3284
Hunter-Lab	64.0533, -51.3507, 30.8043

Details

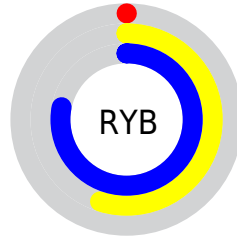
The Yxy color **41.0283, 0.2795, 0.5261** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed green. A complement of this color would be **13.2316, 0.4643, 0.2332**, and the grayscale version is **20.9130, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.0355, 0.2891, 0.4827**, and **19.4503, 0.2923, 0.5724** is the 20% darker color. If you saturate the color by 10%, you get **41.0260, 0.2795, 0.5263**, and if you desaturate by 10%, it is **41.3713, 0.2764, 0.5066**.

Distribution



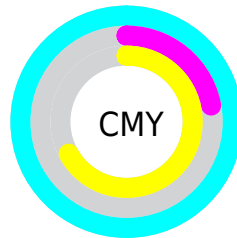
- Red (0%)
- Green (78%)
- Blue (33%)



- Red (0%)
- Yellow (55%)
- Blue (78%)



- Cyan (100%)
- Magenta (0%)
- Yellow (58%)
- Black (22%)





- Cyan (100%)
- Magenta (22%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.0283, 0.2795, 0.5261 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 41.0283, 0.2795, 0.5261 by changing the saturation by 10% instead.


 41.0283, 0.2795,
0.5261


 41.0283, 0.2795,
0.5261


350.4389, 0.3023,
0.4169


 28.3412, 0.2713,
0.5563


 76.7269, 0.2895,
0.4841


 18.5830, 0.2592,
0.5962


 100.5071, 0.2928,
0.4690


 11.3694, 0.2402,
0.6507


 128.7538, 0.2953,
0.4565

 6.3159, 0.2103,
0.7321

 161.8515, 0.2973,
0.4460

 3.0381, 0.1477,
0.8523

 200.1844, 0.2989,
0.4371

 1.1516, 0.0000,
1.0000

244.1370, 0.3003,

 0.0217, 0.0000,

0.4294

1.0000

294.0937, 0.3014,
0.4227

■ 0.0000, 0.0000,
0.0000

■ 41.0283, 0.2795,
0.5261

■ 41.0283, 0.2795,
0.5261

■ 41.0260, 0.2795,
0.5263

■ 41.3713, 0.2764,
0.5066

■ 41.8944, 0.2747,
0.4854

■ 42.6520, 0.2750,
0.4632

■ 43.6726, 0.2771,
0.4406

■ 44.9805, 0.2808,
0.4185

■ 46.5970, 0.2858,
0.3974

■ 48.5414, 0.2919,
0.3777

■ 50.8313, 0.2985,
0.3597

■ 53.4832, 0.3056,
0.3434

Harmonies

Analogous

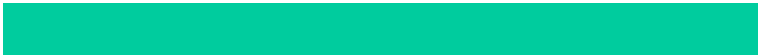
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



41.0283, 0.3819, 0.5370



41.0283, 0.2795, 0.5261



41.0283, 0.1912, 0.4130

Triad

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



41.0283, 0.2795, 0.5261



41.0283, 0.1551, 0.1717



41.0283, 0.5188, 0.3216

Complementary

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



41.0283, 0.2795, 0.5261



13.2316, 0.4643, 0.2332

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.



41.0283, 0.4321, 0.2546



41.0283, 0.2795, 0.5261



41.0283, 0.2141, 0.1729

Square

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



41.0283, 0.2795, 0.5261



41.0283, 0.1317, 0.2040



41.0283, 0.3123, 0.2019



41.0283, 0.5293, 0.3953

Rectangle

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



41.0283, 0.2795, 0.5261



41.0283, 0.1534, 0.3223



41.0283, 0.3123, 0.2019



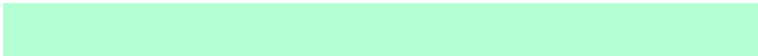
41.0283, 0.4973, 0.2983

Sweetspot

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



41.0300, 0.2795, 0.5261



85.7426, 0.2915, 0.3788



44.0746, 0.3484, 0.5615



18.0246, 0.2888, 0.3871



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.



41.0300, 0.2795, 0.5261



72.6030, 0.2803, 0.5290



43.7473, 0.2319, 0.3549



11.9612, 0.3059, 0.3426



26.6967, 0.2788, 0.5238



1.2785, 0.2672, 0.4818

Inverse Universe

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



13.2316, 0.4643, 0.2332



23.3662, 0.4673, 0.2348



12.0509, 0.6313, 0.3252



10.7377, 0.3201, 0.3158



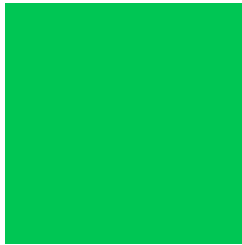
8.6171, 0.4621, 0.2319



0.4223, 0.4250, 0.2115

Previews

White Background



This preview shows how the Yxy color 41.0283, 0.2795, 0.5261 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 41.0283, 0.2795, 0.5261 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 41.0283, 0.2795, 0.5261

Background



This preview shows how black text looks on a background with the Yxy color 41.0283, 0.2795, 0.5261.



This preview shows how white text looks on a background with the Yxy color 41.0283, 0.2795, 0.5261.

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

41.0283, 0.2795, 0.5261

Protanopia

40.0763, 0.4108, 0.4494

Deuteranopia

40.0587, 0.4214, 0.4122



Tritanopia

40.9546, 0.2337, 0.3063

Trichromacy



Original Color

41.0283, 0.2795, 0.5261



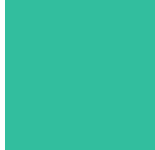
Protanomaly

37.1856, 0.3362, 0.4914



Deuteranomaly

36.3037, 0.3410, 0.4638



Tritanomaly

39.9736, 0.2477, 0.3823

Monochromacy



Original Color

41.0283, 0.2795, 0.5261



Achromatopsia

20.8637, 0.3127, 0.3290



Achromatomaly

25.3096, 0.2820, 0.4101

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.0283, 0.2795, 0.5261 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, 84)` looks like.

```
.text, #text, p{  
    color:rgb(0, 198, 84)  
}
```

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, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 198, 84) }
```

Border

The CSS property to change the border of an element to Yxy 41.0283, 0.2795, 0.5261 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, 84) }
```

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

```
.border{ border-color:rgb(0, 198, 84) }
```

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, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 198, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 198, 84);  
box-shadow:4px 4px 4px 4px rgb(0, 198, 84)  
}
```


Background

The CSS property to change the background color of an element to Yxy 41.0283, 0.2795, 0.5261 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, 84) }
```

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

```
.background{ background-color: rgb(0, 198,  
84) }
```

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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