

Converting Colors

$Y_{xy}(39.2534, 0.2614, 0.5338)$

Have a look what the booklet for
Yxy(39.2534, 0.2614, 0.5338)
contains.

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Color

Yxy(40.5884, 0.2788, 0.5238)

Conversions

Conversions Part 1

Format	Color
Hex	00C555
RGB	0, 197, 85
RGB Percent	0%, 77%, 33%
CMY	1.0000, 0.2274, 0.6665
CMYK	1.00, 0.00, 0.57, 0.23
HSL	146°, 100%, 39%
HSV	146°, 100%, 77%
XYZ	21.6038, 40.5884, 15.2962
YIQ	125.3290, -81.4600, -76.5960

Conversions

Conversions Part 2

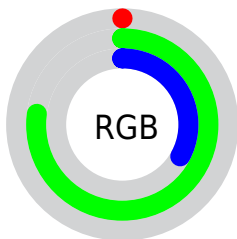
Format	Color
RYB	0, 138, 197
Decimal	50517
CIELab	69.89, -65.06, 44.11
CIELCh	70, 78.604, 145.862
Yxy	40.5884, 0.2788, 0.5238
Android (android.graphics.Color)	4278240597 (0xFF00C555)
YUV	125.3290, -19.8822, -109.9135
Hunter-Lab	63.7090, -50.9614, 30.3611

Details

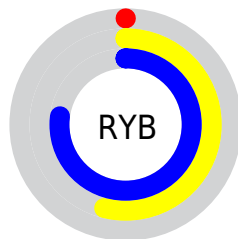
The Yxy color **40.5884, 0.2788, 0.5238** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed green. A complement of this color would be **13.0406, 0.4679, 0.2351**, and the grayscale version is **20.7166, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.0355, 0.2891, 0.4827**, and **19.1596, 0.2918, 0.5706** is the 20% darker color. If you saturate the color by 10%, you get **40.5922, 0.2788, 0.5238**, and if you desaturate by 10%, it is **40.9302, 0.2757, 0.5044**.

Distribution



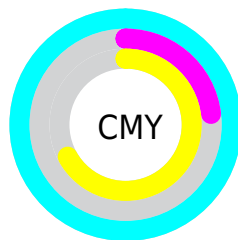
- Red (0%)
- Green (77%)
- Blue (33%)



- Red (0%)
- Yellow (54%)
- Blue (77%)



- Cyan (100%)
- Magenta (0%)
- Yellow (57%)
- Black (23%)



- Cyan (100%)
- Magenta (23%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 40.5884, 0.2788, 0.5238 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 40.5884, 0.2788, 0.5238 by changing the saturation by 10% instead.


 40.5884, 0.2788,
0.5238


 40.5884, 0.2788,
0.5238


348.5974, 0.3019,
0.4157


 27.9976, 0.2706,
0.5538


 76.0587, 0.2889,
0.4821


 18.3239, 0.2585,
0.5936

 99.7070, 0.2921,
0.4672

 11.1827, 0.2395,
0.6480


 127.8098, 0.2947,
0.4548

 6.1899, 0.2095,
0.7294

 160.7518, 0.2967,
0.4445

 2.9609, 0.1455,
0.8545

 198.9171, 0.2984,
0.4356

 1.1113, 0.0000,
1.0000

242.6902, 0.2997,

 0.0000, 0.0000,

0.4281

0.0000

292.4555, 0.3009,
0.4215

■ 40.5884, 0.2788,
0.5238

■ 40.5884, 0.2788,
0.5238

■ 40.5922, 0.2788,
0.5238

■ 40.9302, 0.2757,
0.5044

■ 41.4456, 0.2741,
0.4834

■ 42.1916, 0.2744,
0.4614

■ 43.1966, 0.2765,
0.4392

■ 44.4843, 0.2803,
0.4174

■ 46.0758, 0.2854,
0.3966

■ 47.9902, 0.2915,
0.3772

■ 50.2449, 0.2982,
0.3594

■ 52.8560, 0.3054,
0.3434

Harmonies

Analogous

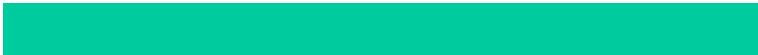
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



40.5884, 0.3807, 0.5361



40.5884, 0.2788, 0.5238



40.5884, 0.1912, 0.4109

Triad

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



40.5884, 0.2788, 0.5238



40.5884, 0.1564, 0.1723



40.5884, 0.5180, 0.3226

Complementary

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



40.5884, 0.2788, 0.5238



13.0406, 0.4679, 0.2351

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.



40.5884, 0.4325, 0.2558



40.5884, 0.2788, 0.5238



40.5884, 0.2155, 0.1738

Square

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



40.5884, 0.2788, 0.5238



40.5884, 0.1327, 0.2042



40.5884, 0.3136, 0.2030



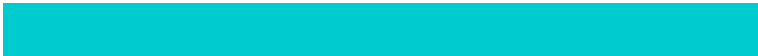
40.5884, 0.5278, 0.3962

Rectangle

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



40.5884, 0.2788, 0.5238



40.5884, 0.1538, 0.3212



40.5884, 0.3136, 0.2030



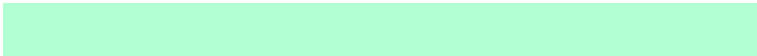
40.5884, 0.4969, 0.2994

Sweetspot

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



40.5922, 0.2788, 0.5238



85.7735, 0.2912, 0.3781



43.5753, 0.3483, 0.5616



18.0319, 0.2885, 0.3862



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.



40.5922, 0.2788, 0.5238



72.6472, 0.2796, 0.5265



43.2552, 0.2319, 0.3549



11.9626, 0.3058, 0.3424



26.7133, 0.2782, 0.5214



1.2793, 0.2666, 0.4797

Inverse Universe

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



13.0406, 0.4679, 0.2351



23.3024, 0.4707, 0.2367



11.9100, 0.6315, 0.3252



10.7363, 0.3202, 0.3159



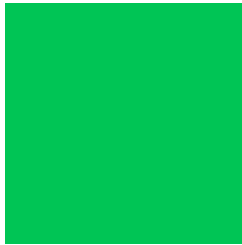
8.5937, 0.4654, 0.2338



0.4212, 0.4274, 0.2128

Previews

White Background



This preview shows how the Yxy color 40.5884, 0.2788, 0.5238 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 40.5884, 0.2788, 0.5238 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 40.5884, 0.2788, 0.5238

Background



This preview shows how black text looks on a background with the Yxy color 40.5884, 0.2788, 0.5238.



This preview shows how white text looks on a background with the Yxy color 40.5884, 0.2788, 0.5238.

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

40.5884, 0.2788, 0.5238

Protanopia

39.9626, 0.4091, 0.4490

Deuteranopia

39.9323, 0.4196, 0.4115



Tritanopia

40.4458, 0.2334, 0.3062

Trichromacy



Original Color

40.5884, 0.2788, 0.5238



Protanomaly

37.2001, 0.3356, 0.4900



Deuteranomaly

36.3208, 0.3403, 0.4624



Tritanomaly

39.5168, 0.2470, 0.3808

Monochromacy



Original Color

40.5884, 0.2788, 0.5238



Achromatopsia

20.5079, 0.3127, 0.3290



Achromatomaly

24.9645, 0.2826, 0.4105

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.5884, 0.2788, 0.5238 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, 197, 85)` looks like.

```
.text, #text, p{  
    color:rgb(0, 197, 85)  
}
```

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, 197, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 197, 85) }
```

Border

The CSS property to change the border of an element to Yxy 40.5884, 0.2788, 0.5238 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, 197, 85) }
```

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

```
.border{ border-color:rgb(0, 197, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 197, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 197, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 197, 85);  
box-shadow:4px 4px 4px 4px rgb(0, 197, 85)  
}
```


Background

The CSS property to change the background color of an element to Yxy 40.5884, 0.2788, 0.5238 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 197, 85) }
```

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

```
.background{ background-color: rgb(0, 197,  
85) }
```

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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