

Converting Colors

$Y_{xy}(41.1037, 0.2856, 0.5368)$

Have a look what the booklet for
Yxy(41.1037, 0.2856, 0.5368)
contains.

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Color

Yxy(41.1042, 0.2856, 0.5366)

Conversions

Conversions Part 1

Format	Color
Hex	18C64C
RGB	24, 198, 76
RGB Percent	9%, 78%, 30%
CMY	0.9055, 0.2235, 0.7019
CMYK	0.88, 0.00, 0.62, 0.22
HSL	138°, 78%, 44%
HSV	138°, 88%, 78%
XYZ	21.8773, 41.1042, 13.6197
YIQ	132.0660, -64.5420, -74.8300

Conversions

Conversions Part 2

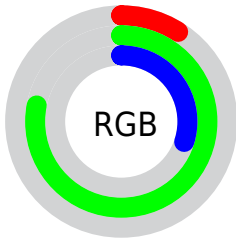
Format	Color
RYB	24, 158, 198
Decimal	1623628
CIELab	70.25, -65.34, 48.68
CIELCh	70, 81.481, 143.311
Yxy	41.1042, 0.2856, 0.5366
Android (android.graphics.Color)	4279813708 (0xFF18C64C)
YUV	132.0660, -27.6405, -94.7739
Hunter-Lab	64.1126, -51.2869, 32.2836

Details

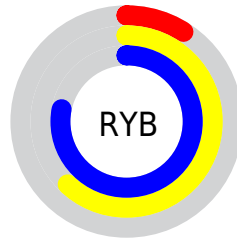
The Yxy color **41.1042, 0.2856, 0.5366** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed green. A complement of this color would be **14.7417, 0.3996, 0.2044**, and the grayscale version is **23.2309, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.1692, 0.2948, 0.4917**, and **19.3965, 0.2962, 0.5863** is the 20% darker color. If you saturate the color by 10%, you get **40.7654, 0.2885, 0.5568**, and if you desaturate by 10%, it is **41.6583, 0.2841, 0.5130**.

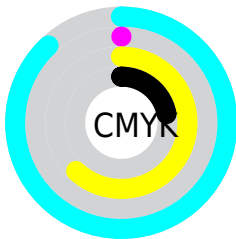
Distribution



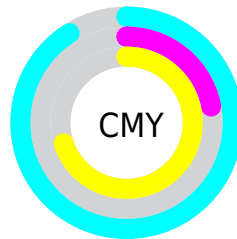
- Red (9%)
- Green (78%)
- Blue (30%)



- Red (9%)
- Yellow (62%)
- Blue (78%)



- Cyan (88%)
- Magenta (0%)
- Yellow (62%)
- Black (22%)




- Cyan (91%)
- Magenta (22%)
- Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 41.1042, 0.2856, 0.5366 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 41.1042, 0.2856, 0.5366 by changing the saturation by 10% instead.

 41.1042, 0.2856,
0.5366

 41.1042, 0.2856,
0.5366


350.7559, 0.3061,
0.4218


 28.4005, 0.2776,
0.5680


 76.8420, 0.2950,
0.4926


 18.6278, 0.2655,
0.6092


 100.6450, 0.2980,
0.4767


 11.4016, 0.2462,
0.6644


 128.9165, 0.3002,
0.4636

 6.3377, 0.2176,
0.7536

 162.0409, 0.3019,
0.4525

 3.0515, 0.1493,
0.8507

 200.4027, 0.3033,
0.4431

 1.1587, 0.0000,
1.0000

244.3862, 0.3044,


 0.0276, 0.0000,


0.4350


1.0000


294.3758, 0.3054,
0.4280


 0.0000, 0.0000,
0.0000


 41.1042, 0.2856,
0.5366


 41.1042, 0.2856,
0.5366

 40.7654, 0.2885,
0.5568

 41.6583, 0.2841,
0.5130

 40.7053, 0.2891,
0.5607

 42.4638, 0.2842,
0.4871

 43.5509, 0.2859,
0.4602

 44.9443, 0.2890,
0.4335

 46.6657, 0.2930,
0.4079

■ 48.7350, 0.2978,
0.3840

■ 51.1703, 0.3030,
0.3623

■ 53.9885, 0.3085,
0.3427

■ 57.2056, 0.3139,
0.3254

Harmonies

Analogous

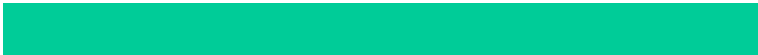
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



41.1042, 0.3898, 0.5384



41.1042, 0.2856, 0.5366



41.1042, 0.1938, 0.4258

Triad

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



41.1042, 0.2856, 0.5366



41.1042, 0.1494, 0.1698



41.1042, 0.5197, 0.3154

Complementary

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



41.1042, 0.2856, 0.5366



14.7417, 0.3996, 0.2044

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.



41.1042, 0.4261, 0.2483



41.1042, 0.2856, 0.5366



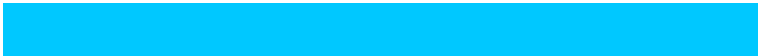
41.1042, 0.2061, 0.1690

Square

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



41.1042, 0.2856, 0.5366



41.1042, 0.1281, 0.2053



41.1042, 0.3034, 0.1964



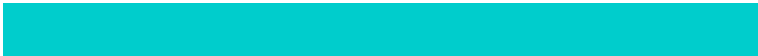
41.1042, 0.5357, 0.3896

Rectangle

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



41.1042, 0.2856, 0.5366



41.1042, 0.1534, 0.3314



41.1042, 0.3034, 0.1964



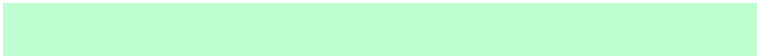
41.1042, 0.4958, 0.2920

Sweetspot

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



41.1059, 0.2856, 0.5366



86.8787, 0.2985, 0.3808



46.8190, 0.3729, 0.5338



18.2974, 0.2968, 0.3888



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.



41.1059, 0.2856, 0.5366



72.0434, 0.2898, 0.5632



43.1333, 0.2441, 0.3907



11.9391, 0.3076, 0.3456



26.4848, 0.2884, 0.5584



1.2670, 0.2763, 0.5146

Inverse Universe

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



14.7417, 0.3996, 0.2044



24.5100, 0.4163, 0.2067



13.0088, 0.5662, 0.3009



10.7606, 0.3182, 0.3129



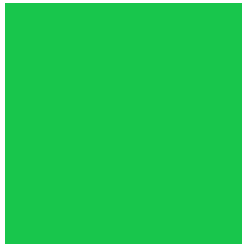
9.0337, 0.4130, 0.2049



0.4401, 0.3894, 0.1919

Previews

White Background



This preview shows how the Yxy color 41.1042, 0.2856, 0.5366 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 41.1042, 0.2856, 0.5366 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 41.1042, 0.2856, 0.5366

Background



This preview shows how black text looks on a background with the Yxy color 41.1042, 0.2856, 0.5366.



This preview shows how white text looks on a background with the Yxy color 41.1042, 0.2856, 0.5366.

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

41.1042, 0.2856, 0.5366

Protanopia

40.4903, 0.4155, 0.4566

Deuteranopia

40.0841, 0.4281, 0.4192



Tritanopia

41.1287, 0.2353, 0.3064

Trichromacy



Original Color

41.1042, 0.2856, 0.5366



Protanomaly

38.2485, 0.3487, 0.4965



Deuteranomaly

37.0353, 0.3553, 0.4692



Tritanomaly

40.2193, 0.2523, 0.3853

Monochromacy



Original Color

41.1042, 0.2856, 0.5366



Achromatopsia

23.0740, 0.3127, 0.3290



Achromatomaly

27.2739, 0.2921, 0.4121

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.1042, 0.2856, 0.5366 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(24, 198, 76)` looks like.

```
.text, #text, p{  
    color:rgb(24, 198, 76)  
}
```

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(24, 198, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(24, 198, 76) }
```

Border

The CSS property to change the border of an element to Yxy 41.1042, 0.2856, 0.5366 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(24, 198, 76) }
```

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

```
.border{ border-color:rgb(24, 198, 76) }
```

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

Here you see how a box with a 4 pixel `rgb(24, 198, 76)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(24, 198, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(24, 198, 76);  
box-shadow:4px 4px 4px 4px rgb(24, 198,  
76) }
```


Background

The CSS property to change the background color of an element to Yxy 41.1042, 0.2856, 0.5366 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(24, 198, 76) }
```

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

```
.background{ background-color: rgb(24, 198,  
76) }
```

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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