

Converting Colors

$Yxy(41.3911, 0.2848, 0.4613)$

Have a look what the booklet for
Yxy(41.3911, 0.2848, 0.4613)
contains.

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Color

Yxy(41.4836, 0.2847, 0.4611)

Conversions

Conversions Part 1

Format	Color
Hex	4FC273
RGB	79, 194, 115
RGB Percent	31%, 76%, 45%
CMY	0.6899, 0.2392, 0.5491
CMYK	0.59, 0.00, 0.41, 0.24
HSL	139°, 49%, 54%
HSV	139°, 59%, 76%
XYZ	25.6135, 41.4836, 22.8695
YIQ	150.6090, -43.1810, -48.9490

Conversions

Conversions Part 2

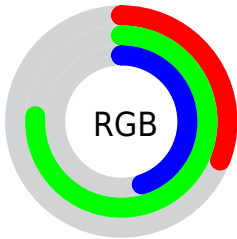
Format	Color
RYB	79, 167, 194
Decimal	5227123
CIELab	70.51, -49.94, 30.28
CIELCh	71, 58.404, 148.776
Yxy	41.4836, 0.2847, 0.4611
Android (android.graphics.Color)	4283417203 (0xFF4FC273)
YUV	150.6090, -17.5552, -62.8011
Hunter-Lab	64.4078, -41.7282, 24.0331

Details

The Yxy color **41.4836, 0.2847, 0.4611** is a dark color, and the websafe version is hex **66CC66**. The color can be described as dark muted spring green. A complement of this color would be **19.5420, 0.3662, 0.2291**, and the grayscale version is **30.8687, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.2248, 0.2916, 0.4327**, and **18.8586, 0.2737, 0.5052** is the 20% darker color. If you saturate the color by 10%, you get **40.4854, 0.2831, 0.4875**, and if you desaturate by 10%, it is **42.7724, 0.2877, 0.4348**.

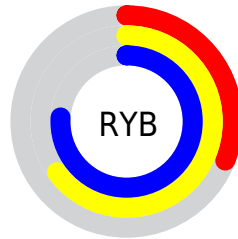
Distribution



Red (31%)

Green (76%)

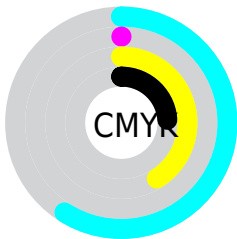
Blue (45%)



Red (31%)

Yellow (65%)

Blue (76%)

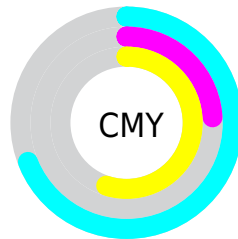


Cyan (59%)

Magenta (0%)

Yellow (41%)

Black (24%)



Cyan (69%)


Magenta (24%)


Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.4836, 0.2847, 0.4611 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 41.4836, 0.2847, 0.4611 by changing the saturation by 10% instead.


 41.4836, 0.2847,
0.4611

 41.4836, 0.2847,
0.4611


352.3378, 0.3016,
0.3890


 28.6972, 0.2794,
0.4810


 77.4175, 0.2916,
0.4335


 18.8518, 0.2718,
0.5078


 101.3337, 0.2940,
0.4235

 11.5633, 0.2604,
0.5452


 129.7286, 0.2959,
0.4153

 6.4470, 0.2417,
0.6006

 162.9867, 0.2975,
0.4084

 3.1188, 0.2135,
0.7059

201.4922, 0.2988,
0.4025

 1.1941, 0.0000,
1.0000

245.6296, 0.2999,

 0.0568, 0.0000,

0.3974

1.0000

295.7834, 0.3008,
0.3929

■ 0.0000, 0.0000,
0.0000

■ 41.4836, 0.2847,
0.4611

■ 41.4836, 0.2847,
0.4611

■ 40.4854, 0.2831,
0.4875

■ 42.7724, 0.2877,
0.4348

■ 39.7490, 0.2832,
0.5128

■ 44.3676, 0.2917,
0.4096

■ 39.2484, 0.2849,
0.5359

■ 46.2900, 0.2966,
0.3860

■ 38.9361, 0.2879,
0.5557

■ 48.5568, 0.3019,
0.3644

■ 38.9158, 0.2881,
0.5571

■ 51.1842, 0.3075,
0.3450

■ 54.1873, 0.3131,
0.3278

■ 57.5804, 0.3187,
0.3126

■ 61.3769, 0.3241,
0.2993

■ 65.5896, 0.3292,
0.2877

Harmonies

Analogous

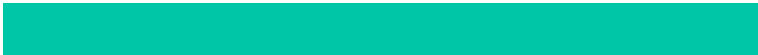
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



41.4836, 0.3647, 0.4855



41.4836, 0.2847, 0.4611



41.4836, 0.2167, 0.3799

Triad

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



41.4836, 0.2847, 0.4611



41.4836, 0.1930, 0.2052



41.4836, 0.4692, 0.3356

Complementary

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



41.4836, 0.2847, 0.4611



19.5420, 0.3662, 0.2291

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.



41.4836, 0.4100, 0.2788



41.4836, 0.2847, 0.4611



41.4836, 0.2452, 0.2074

Square

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



41.4836, 0.2847, 0.4611



41.4836, 0.1704, 0.2311



41.4836, 0.3237, 0.2336



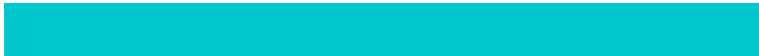
41.4836, 0.4764, 0.3966

Rectangle

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



41.4836, 0.2847, 0.4611



41.4836, 0.1869, 0.3183



41.4836, 0.3237, 0.2336



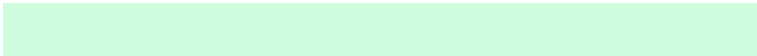
41.4836, 0.4546, 0.3159

Sweetspot

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



41.4853, 0.2847, 0.4611



88.4020, 0.3024, 0.3625



46.5725, 0.3648, 0.4840



19.0736, 0.3008, 0.3686



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.



41.4853, 0.2847, 0.4611



72.9193, 0.2830, 0.4949



43.1887, 0.2524, 0.3649



11.3095, 0.3074, 0.3452



25.5996, 0.2874, 0.5548



1.1188, 0.2743, 0.5074

Inverse Universe

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



19.5420, 0.3662, 0.2291



29.5781, 0.3828, 0.2148



18.0308, 0.4567, 0.3000



10.1922, 0.3184, 0.3133



8.6764, 0.4181, 0.2077



0.3868, 0.3914, 0.1930

Previews

White Background



This preview shows how the Yxy color 41.4836, 0.2847, 0.4611 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 41.4836, 0.2847, 0.4611 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 41.4836, 0.2847, 0.4611

Background



This preview shows how black text looks on a background with the Yxy color 41.4836, 0.2847, 0.4611.



This preview shows how white text looks on a background with the Yxy color 41.4836, 0.2847, 0.4611.

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

41.4836, 0.2847, 0.4611

Protanopia

40.7312, 0.3846, 0.4160

Deuteranopia

40.6526, 0.3902, 0.3830



Tritanopia

41.2881, 0.2455, 0.3068

Trichromacy



Original Color

41.4836, 0.2847, 0.4611



Protanomaly

39.6402, 0.3409, 0.4346



Deuteranomaly

39.2610, 0.3437, 0.4119



Tritanomaly

41.1733, 0.2596, 0.3603

Monochromacy



Original Color

41.4836, 0.2847, 0.4611



Achromatopsia

30.9469, 0.3127, 0.3290



Achromatomaly

33.8324, 0.2990, 0.3765

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.4836, 0.2847, 0.4611 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(79, 194, 115)` looks like.

```
.text, #text, p{  
    color:rgb(79, 194, 115)  
}
```

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(79, 194, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 194, 115) }
```

Border

The CSS property to change the border of an element to Yxy 41.4836, 0.2847, 0.4611 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(79, 194, 115) }
```

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

```
.border{ border-color:rgb(79, 194, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(79, 194, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(79, 194, 115); -webkit-box-shadow:4px 4px 4px 4px rgb(79, 194, 115); box-shadow:4px 4px 4px 4px rgb(79, 194, 115) }
```


Background

The CSS property to change the background color of an element to Yxy 41.4836, 0.2847, 0.4611 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 194, 115) }
```

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

```
.background{ background-color: rgb(79, 194,  
115) }
```

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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