

Converting Colors

Yxy(42.5528, 0.2906, 0.4816)

Have a look what the booklet for
Yxy(42.5528, 0.2906, 0.4816)
contains.

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Color

Yxy(42.6147, 0.2906, 0.4810)

Conversions

Conversions Part 1

Format	Color
Hex	4FC569
RGB	79, 197, 105
RGB Percent	31%, 77%, 41%
CMY	0.6899, 0.2275, 0.5882
CMYK	0.60, 0.00, 0.47, 0.23
HSL	133°, 50%, 54%
HSV	133°, 60%, 77%
XYZ	25.7460, 42.6147, 20.2353
YIQ	151.2300, -40.7960, -53.6280

Conversions

Conversions Part 2

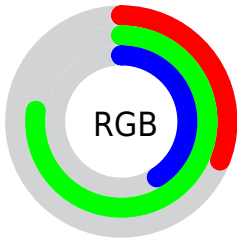
Format	Color
RYB	79, 176, 197
Decimal	5227881
CIELab	71.29, -52.75, 36.37
CIELCh	71, 64.071, 145.412
Yxy	42.6147, 0.2906, 0.4810
Android (android.graphics.Color)	4283417961 (0xFF4FC569)
YUV	151.2300, -22.7914, -63.3457
Hunter-Lab	65.2799, -43.8406, 27.3174

Details

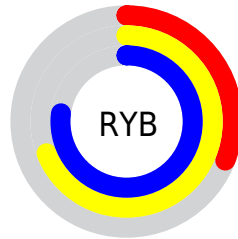
The Yxy color **42.6147, 0.2906, 0.4810** is a dark color, and the websafe version is hex **66CC66**. The color can be described as dark muted spring green. A complement of this color would be **20.4168, 0.3517, 0.2164**, and the grayscale version is **31.1742, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.3919, 0.2966, 0.4493**, and **19.6218, 0.2813, 0.5326** is the 20% darker color. If you saturate the color by 10%, you get **41.6042, 0.2895, 0.5098**, and if you desaturate by 10%, it is **43.9362, 0.2929, 0.4515**.

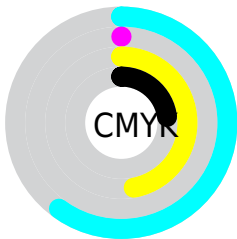
Distribution



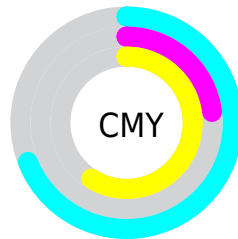
- Red (31%)
- Green (77%)
- Blue (41%)



- Red (31%)
- Yellow (69%)
- Blue (77%)



- Cyan (60%)
- Magenta (0%)
- Yellow (47%)
- Black (23%)




- Cyan (69%)
- Magenta (23%)
- Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.6147, 0.2906, 0.4810 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 42.6147, 0.2906, 0.4810 by changing the saturation by 10% instead.


 42.6147, 0.2906,
0.4810


 42.6147, 0.2906,
0.4810


357.0248, 0.3054,
0.3982


 29.5829, 0.2855,
0.5037


 79.1291, 0.2970,
0.4493

 19.5222, 0.2779,
0.5340


 103.3805, 0.2991,
0.4379

 12.0482, 0.2661,
0.5758


 132.1406, 0.3007,
0.4284

 6.7765, 0.2462,
0.6361

 165.7937, 0.3020,
0.4205

 3.3227, 0.2225,
0.7720

204.7243, 0.3031,
0.4136

 1.3025, 0.0000,
1.0000

249.3168, 0.3040,

 0.1431, 0.0000,

0.4078

1.0000

299.9555, 0.3047,
0.4027

■ 0.0000, 0.0000,
0.0000

■ 42.6147, 0.2906,
0.4810

■ 42.6147, 0.2906,
0.4810

■ 41.6042, 0.2895,
0.5098

■ 43.9362, 0.2929,
0.4515

■ 40.8734, 0.2897,
0.5364

■ 45.5863, 0.2961,
0.4228

■ 40.3938, 0.2912,
0.5591

■ 47.5874, 0.2999,
0.3957

■ 40.1107, 0.2936,
0.5769

■ 49.9586, 0.3041,
0.3708

■ 40.1071, 0.2936,
0.5771

■ 52.7173, 0.3084,
0.3485

■ 55.8801, 0.3128,
0.3287

■ 59.4625, 0.3170,
0.3114

■ 63.4790, 0.3210,
0.2963

■ 67.6810, 0.3238,
0.2830

Harmonies

Analogous

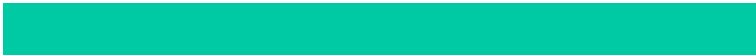
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



42.6147, 0.3764, 0.4973



42.6147, 0.2906, 0.4810



42.6147, 0.2154, 0.3960

Triad

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



42.6147, 0.2906, 0.4810



42.6147, 0.1803, 0.1977



42.6147, 0.4780, 0.3274

Complementary

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



42.6147, 0.2906, 0.4810



20.4168, 0.3517, 0.2164

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.



42.6147, 0.4084, 0.2684



42.6147, 0.2906, 0.4810



42.6147, 0.2319, 0.1975

Square

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



42.6147, 0.2906, 0.4810



42.6147, 0.1599, 0.2282



42.6147, 0.3136, 0.2226



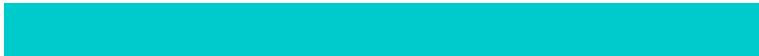
42.6147, 0.4912, 0.3919

Rectangle

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



42.6147, 0.2906, 0.4810



42.6147, 0.1816, 0.3271



42.6147, 0.3136, 0.2226



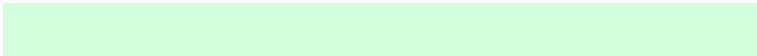
42.6147, 0.4601, 0.3068

Sweetspot

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



42.6165, 0.2906, 0.4810



90.2145, 0.3048, 0.3671



49.2045, 0.3739, 0.4807



19.0190, 0.3035, 0.3741



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.



42.6165, 0.2906, 0.4810



74.0395, 0.2894, 0.5188



44.2618, 0.2574, 0.3815



11.9254, 0.3087, 0.3475



26.3921, 0.2931, 0.5752



1.2609, 0.2818, 0.5344

Inverse Universe

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



20.4168, 0.3517, 0.2164



30.7048, 0.3632, 0.2001



18.6548, 0.4428, 0.2870



10.7752, 0.3171, 0.3112



9.3482, 0.3851, 0.1895



0.4528, 0.3691, 0.1807

Previews

White Background



This preview shows how the Yxy color 42.6147, 0.2906, 0.4810 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 42.6147, 0.2906, 0.4810 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 42.6147, 0.2906, 0.4810

Background



This preview shows how black text looks on a background with the Yxy color 42.6147, 0.2906, 0.4810.



This preview shows how white text looks on a background with the Yxy color 42.6147, 0.2906, 0.4810.

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

42.6147, 0.2906, 0.4810

Protanopia

41.6788, 0.3945, 0.4294

Deuteranopia

41.8746, 0.4023, 0.3952



Tritanopia

42.3381, 0.2460, 0.3070

Trichromacy



Original Color

42.6147, 0.2906, 0.4810



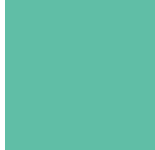
Protanomaly

40.8408, 0.3490, 0.4517



Deuteranomaly

40.1471, 0.3531, 0.4265



Tritanomaly

42.0669, 0.2624, 0.3664

Monochromacy



Original Color

42.6147, 0.2906, 0.4810



Achromatopsia

30.9469, 0.3127, 0.3290



Achromatomaly

34.0865, 0.3022, 0.3848

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.6147, 0.2906, 0.4810 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, 197, 105)` looks like.

```
.text, #text, p{  
    color:rgb(79, 197, 105)  
}
```

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, 197, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 197, 105) }
```

Border

The CSS property to change the border of an element to Yxy 42.6147, 0.2906, 0.4810 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, 197, 105) }
```

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

```
.border{ border-color:rgb(79, 197, 105) }
```

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

Here you see how a box with a 4 pixel `rgb(79, 197, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 197, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(79, 197, 105);  
box-shadow:4px 4px 4px 4px rgb(79, 197,  
105) }
```


Background

The CSS property to change the background color of an element to Yxy 42.6147, 0.2906, 0.4810 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 197, 105) }
```

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

```
.background{ background-color: rgb(79, 197,  
105) }
```

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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