

Converting Colors

$Yxy(46.0108, 0.2917, 0.4854)$

Have a look what the booklet for
Yxy(46.0108, 0.2917, 0.4854)
contains.

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Color

Yxy(46.0202, 0.2921, 0.4857)

Conversions

Conversions Part 1

Format	Color
Hex	52CC6A
RGB	82, 204, 106
RGB Percent	32%, 80%, 42%
CMY	0.6782, 0.2000, 0.5844
CMYK	0.60, 0.00, 0.48, 0.20
HSL	132°, 54%, 56%
HSV	132°, 60%, 80%
XYZ	27.6766, 46.0202, 21.0535
YIQ	156.3500, -41.2540, -56.3420

Conversions

Conversions Part 2

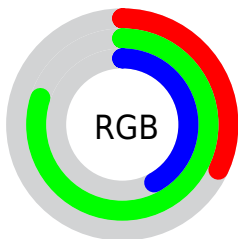
Format	Color
RYB	82, 184, 204
Decimal	5426282
CIELab	73.56, -54.62, 38.76
CIELCh	74, 66.977, 144.640
Yxy	46.0202, 0.2921, 0.4857
Android (android.graphics.Color)	4283616362 (0xFF52CC6A)
YUV	156.3500, -24.8225, -65.2049
Hunter-Lab	67.8382, -45.8926, 29.0861

Details

The Yxy color **46.0202, 0.2921, 0.4857** 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 **22.1785, 0.3480, 0.2134**, and the grayscale version is **33.5434, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.7740, 0.2982, 0.4473**, and **21.7804, 0.2824, 0.5367** is the 20% darker color. If you saturate the color by 10%, you get **44.9297, 0.2910, 0.5151**, and if you desaturate by 10%, it is **47.4516, 0.2943, 0.4554**.

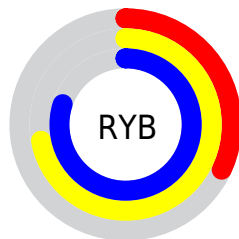
Distribution



Red (32%)

Green (80%)

Blue (42%)



Red (32%)

Yellow (72%)

Blue (80%)

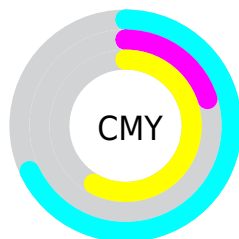


Cyan (60%)

Magenta (0%)

Yellow (48%)

Black (20%)



Cyan (68%)


Magenta (20%)


Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.0202, 0.2921, 0.4857 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 46.0202, 0.2921, 0.4857 by changing the saturation by 10% instead.


 46.0202, 0.2921,
0.4857

 46.0202, 0.2921,
0.4857


370.8899, 0.3062,
0.4013

 32.2618, 0.2872,
0.5084


 84.2492, 0.2982,
0.4537


 21.5615, 0.2799,
0.5384


 109.4886, 0.3002,
0.4421

 13.5351, 0.2686,
0.5792

 139.3238, 0.3018,
0.4324

 7.7980, 0.2497,
0.6371

 174.1391, 0.3031,
0.4242

 3.9660, 0.2242,
0.7512

214.3189, 0.3041,
0.4172

 1.6545, 0.0534,
0.9466

260.2478, 0.3049,

 0.3940, 0.0000,

0.4112

1.0000

312.3099, 0.3056,
0.4059

■ 0.0000, 0.0000,
0.0000

■ 46.0202, 0.2921,
0.4857

■ 46.0202, 0.2921,
0.4857

■ 44.9297, 0.2910,
0.5151

■ 47.4516, 0.2943,
0.4554

■ 44.1458, 0.2912,
0.5418

■ 49.2434, 0.2973,
0.4258

■ 43.6368, 0.2926,
0.5642

■ 51.4204, 0.3009,
0.3978

■ 43.3444, 0.2948,
0.5812

■ 54.0035, 0.3048,
0.3721

■ 43.3390, 0.2949,
0.5815

■ 57.0121, 0.3088,
0.3490

■ 60.4645, 0.3128,
0.3286

■ 64.3776, 0.3167,
0.3107

■ 68.7677, 0.3204,
0.2951

■ 71.5731, 0.3161,
0.2805

Harmonies

Analogous

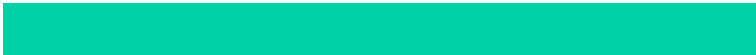
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



46.0202, 0.3792, 0.4998



46.0202, 0.2921, 0.4857



46.0202, 0.2152, 0.4000

Triad

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



46.0202, 0.2921, 0.4857



46.0202, 0.1774, 0.1960



46.0202, 0.4799, 0.3254

Complementary

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



46.0202, 0.2921, 0.4857



22.1785, 0.3480, 0.2134

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.



46.0202, 0.4078, 0.2660



46.0202, 0.2921, 0.4857



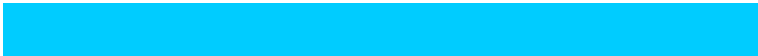
46.0202, 0.2288, 0.1952

Square

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



46.0202, 0.2921, 0.4857



46.0202, 0.1575, 0.2276



46.0202, 0.3110, 0.2200



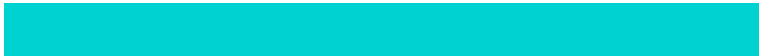
46.0202, 0.4946, 0.3906

Rectangle

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



46.0202, 0.2921, 0.4857



46.0202, 0.1804, 0.3295



46.0202, 0.3110, 0.2200



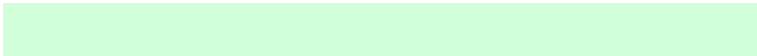
46.0202, 0.4612, 0.3046

Sweetspot

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



46.0221, 0.2921, 0.4857



90.1574, 0.3054, 0.3683



53.6973, 0.3774, 0.4788



19.0053, 0.3042, 0.3755



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.



46.0221, 0.2921, 0.4857



73.9452, 0.2909, 0.5239



47.7125, 0.2595, 0.3881



12.5724, 0.3090, 0.3482



27.2888, 0.2943, 0.5795



1.4187, 0.2843, 0.5433

Inverse Universe

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



22.1785, 0.3480, 0.2134



30.9308, 0.3581, 0.1967



20.2525, 0.4364, 0.2819



11.3645, 0.3167, 0.3106



9.7798, 0.3772, 0.1852



0.5144, 0.3643, 0.1780

Previews

White Background



This preview shows how the Yxy color 46.0202, 0.2921, 0.4857 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 46.0202, 0.2921, 0.4857 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 46.0202, 0.2921, 0.4857

Background



This preview shows how black text looks on a background with the Yxy color 46.0202, 0.2921, 0.4857.



This preview shows how white text looks on a background with the Yxy color 46.0202, 0.2921, 0.4857.

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

46.0202, 0.2921, 0.4857

Protanopia

44.9736, 0.3968, 0.4321

Deuteranopia

44.9397, 0.4062, 0.3976



Tritanopia

45.9452, 0.2462, 0.3077

Trichromacy



Original Color

46.0202, 0.2921, 0.4857



Protanomaly

43.8551, 0.3506, 0.4549



Deuteranomaly

43.2302, 0.3557, 0.4303



Tritanomaly

45.5254, 0.2627, 0.3684

Monochromacy



Original Color

46.0202, 0.2921, 0.4857



Achromatopsia

33.2452, 0.3127, 0.3290



Achromatomaly

36.3892, 0.3024, 0.3849

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.0202, 0.2921, 0.4857 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(82, 204, 106)` looks like.

```
.text, #text, p{  
    color:rgb(82, 204, 106)  
}
```

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(82, 204, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 204, 106) }
```

Border

The CSS property to change the border of an element to Yxy 46.0202, 0.2921, 0.4857 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(82, 204, 106) }
```

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

```
.border{ border-color:rgb(82, 204, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(82, 204, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 204, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 204, 106);  
box-shadow:4px 4px 4px 4px rgb(82, 204,  
106) }
```


Background

The CSS property to change the background color of an element to Yxy 46.0202, 0.2921, 0.4857 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 204, 106) }
```

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

```
.background{ background-color: rgb(82, 204,  
106) }
```

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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