

Converting Colors

$Yxy(42.2041, 0.2914, 0.4673)$

Have a look what the booklet for
Yxy(42.2041, 0.2914, 0.4673)
contains.

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Color

Yxy(42.2041, 0.2914, 0.4673)

Conversions

Conversions Part 1

Format	Color
Hex	57C36F
RGB	87, 195, 111
RGB Percent	34%, 76%, 44%
CMY	0.6586, 0.2353, 0.5648
CMYK	0.55, 0.00, 0.43, 0.24
HSL	133°, 47%, 55%
HSV	133°, 55%, 76%
XYZ	26.3177, 42.2041, 21.7930
YIQ	153.1320, -37.4040, -49.0200

Conversions

Conversions Part 2

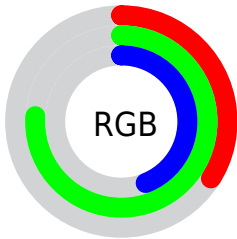
Format	Color
RYB	87, 175, 195
Decimal	5751663
CIELab	71.01, -49.16, 33.03
CIELCh	71, 59.223, 146.102
Yxy	42.2041, 0.2914, 0.4673
Android (android.graphics.Color)	4283941743 (0xFF57C36F)
YUV	153.1320, -20.7711, -57.9978
Hunter-Lab	64.9647, -41.3764, 25.5859

Details

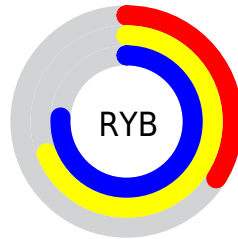
The Yxy color **42.2041, 0.2914, 0.4673** is a dark color, and the websafe version is hex **66CC66**. The color can be described as dark muted spring green. A complement of this color would be **21.3701, 0.3481, 0.2236**, and the grayscale version is **32.0261, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.3209, 0.2972, 0.4377**, and **19.1946, 0.2802, 0.5162** is the 20% darker color. If you saturate the color by 10%, you get **41.0836, 0.2897, 0.4965**, and if you desaturate by 10%, it is **43.6384, 0.2942, 0.4381**.

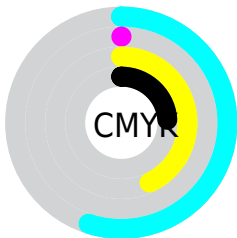
Distribution



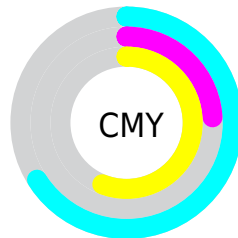
- Red (34%)
- Green (76%)
- Blue (44%)



- Red (34%)
- Yellow (69%)
- Blue (76%)



- Cyan (55%)
- Magenta (0%)
- Yellow (43%)
- Black (24%)





- Cyan (66%)
- Magenta (24%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.2041, 0.2914, 0.4673 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 42.2041, 0.2914, 0.4673 by changing the saturation by 10% instead.


 42.2041, 0.2914,
0.4673


 42.2041, 0.2914,
0.4673


355.3283, 0.3052,
0.3921

 29.2611, 0.2868,
0.4880


 78.5084, 0.2972,
0.4385


 19.2785, 0.2800,
0.5156

 102.6386, 0.2992,
0.4282

 11.8717, 0.2695,
0.5539


 131.2666, 0.3007,
0.4196

 6.6563, 0.2519,
0.6100

 164.7769, 0.3020,
0.4123

 3.2481, 0.2275,
0.7228

203.5538, 0.3030,
0.4061

 1.2626, 0.0000,
1.0000

247.9817, 0.3038,

 0.1120, 0.0000,

0.4008

1.0000

298.4451, 0.3045,
0.3962

■ 0.0000, 0.0000,
0.0000

■ 42.2041, 0.2914,
0.4673

■ 42.2041, 0.2914,
0.4673

■ 41.0836, 0.2897,
0.4965

■ 43.6384, 0.2942,
0.4381

■ 40.2479, 0.2893,
0.5243

■ 45.4026, 0.2977,
0.4101

■ 39.6713, 0.2903,
0.5489

■ 47.5176, 0.3017,
0.3840

■ 39.3207, 0.2925,
0.5690

■ 50.0015, 0.3060,
0.3604

■ 39.2057, 0.2935,
0.5767

■ 52.8708, 0.3104,
0.3393

■ 56.1411, 0.3147,
0.3207

■ 59.8271, 0.3189,
0.3044

■ 63.9428, 0.3228,
0.2903

■ 67.0407, 0.3208,
0.2770

Harmonies

Analogous

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



42.2041, 0.3720, 0.4858



42.2041, 0.2914, 0.4673



42.2041, 0.2210, 0.3888

Triad

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



42.2041, 0.2914, 0.4673



42.2041, 0.1890, 0.2054



42.2041, 0.4671, 0.3301

Complementary

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



42.2041, 0.2914, 0.4673



21.3701, 0.3481, 0.2236

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.



42.2041, 0.4035, 0.2737



42.2041, 0.2914, 0.4673



42.2041, 0.2388, 0.2054

Square

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



42.2041, 0.2914, 0.4673



42.2041, 0.1688, 0.2342



42.2041, 0.3159, 0.2297



42.2041, 0.4792, 0.3914

Rectangle

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



42.2041, 0.2914, 0.4673



42.2041, 0.1892, 0.3260



42.2041, 0.3159, 0.2297



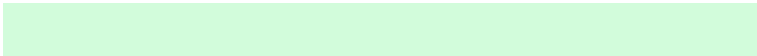
42.2041, 0.4508, 0.3105

Sweetspot

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



42.2058, 0.2914, 0.4673



88.6540, 0.3052, 0.3647



48.4453, 0.3706, 0.4704



19.2083, 0.3043, 0.3694



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.



42.2058, 0.2914, 0.4673



73.2986, 0.2895, 0.5013



43.7538, 0.2600, 0.3768



11.2946, 0.3086, 0.3474



25.4926, 0.2930, 0.5746



1.1122, 0.2808, 0.5308

Inverse Universe

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



21.3701, 0.3481, 0.2236



32.3412, 0.3582, 0.2070



19.7266, 0.4277, 0.2893



10.2081, 0.3171, 0.3113



9.0223, 0.3856, 0.1898



0.3995, 0.3684, 0.1803

Previews

White Background



This preview shows how the Yxy color 42.2041, 0.2914, 0.4673 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 42.2041, 0.2914, 0.4673 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 42.2041, 0.2914, 0.4673

Background



This preview shows how black text looks on a background with the Yxy color 42.2041, 0.2914, 0.4673.



This preview shows how white text looks on a background with the Yxy color 42.2041, 0.2914, 0.4673.

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

42.2041, 0.2914, 0.4673

Protanopia

41.6852, 0.3880, 0.4214

Deuteranopia

41.3401, 0.3964, 0.3885



Tritanopia

42.1831, 0.2490, 0.3071

Trichromacy



Original Color

42.2041, 0.2914, 0.4673



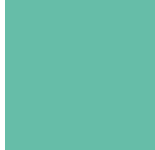
Protanomaly

40.7638, 0.3462, 0.4400



Deuteranomaly

40.0750, 0.3514, 0.4175



Tritanomaly

42.0471, 0.2643, 0.3614

Monochromacy



Original Color

42.2041, 0.2914, 0.4673



Achromatopsia

31.8547, 0.3127, 0.3290



Achromatomaly

34.5074, 0.3024, 0.3775

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.2041, 0.2914, 0.4673 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(87, 195, 111)` looks like.

```
.text, #text, p{  
    color:rgb(87, 195, 111)  
}
```

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(87, 195, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 195, 111) }
```

Border

The CSS property to change the border of an element to Yxy 42.2041, 0.2914, 0.4673 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(87, 195, 111) }
```

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

```
.border{ border-color:rgb(87, 195, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 195, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 195, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 195, 111);  
box-shadow:4px 4px 4px 4px rgb(87, 195,  
111) }
```


Background

The CSS property to change the background color of an element to Yxy 42.2041, 0.2914, 0.4673 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 195, 111) }
```

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

```
.background{ background-color: rgb(87, 195,  
111) }
```

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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