

Converting Colors

$Yxy(42.7985, 0.3277, 0.5149)$

Have a look what the booklet for
Yxy(42.7985, 0.3277, 0.5149)
contains.

Yxy(42.8908, 0.3274, 0.5148)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(42.8908, 0.3274, 0.5148)

Conversions

Conversions Part 1

Format	Color
Hex	6FC349
RGB	111, 195, 73
RGB Percent	44%, 76%, 29%
CMY	0.5645, 0.2353, 0.7136
CMYK	0.43, 0.00, 0.63, 0.24
HSL	101°, 50%, 53%
HSV	101°, 63%, 76%
XYZ	27.2775, 42.8908, 13.1472
YIQ	155.9760, -10.9020, -55.7500

Conversions

Conversions Part 2

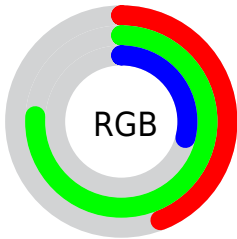
Format	Color
RYB	73, 195, 157
Decimal	7324489
CIELab	71.48, -47.27, 51.98
CIELCh	71, 70.254, 132.283
Yxy	42.8908, 0.3274, 0.5148
Android (android.graphics.Color)	4285514569 (0xFF6FC349)
YUV	155.9760, -40.9072, -39.4440
Hunter-Lab	65.4911, -40.2629, 33.9414

Details

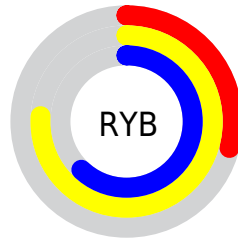
The Yxy color **42.8908, 0.3274, 0.5148** is a dark color, and the websafe version is hex **66CC66**. The color can be described as dark muted chartreuse. A complement of this color would be **15.8735, 0.2742, 0.1665**, and the grayscale version is **33.4299, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.4520, 0.3289, 0.4776**, and **19.8383, 0.3203, 0.5738** is the 20% darker color. If you saturate the color by 10%, you get **41.8666, 0.3259, 0.5422**, and if you desaturate by 10%, it is **44.1306, 0.3274, 0.4841**.

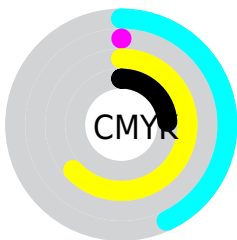
Distribution



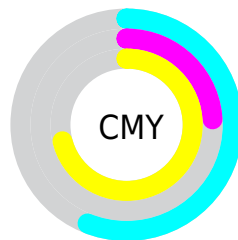
- Red (44%)
- Green (76%)
- Blue (29%)



- Red (29%)
- Yellow (76%)
- Blue (62%)



- Cyan (43%)
- Magenta (0%)
- Yellow (63%)
- Black (24%)





- Cyan (56%)
- Magenta (24%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.8908, 0.3274, 0.5148 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 42.8908, 0.3274, 0.5148 by changing the saturation by 10% instead.


 42.8908, 0.3274,
0.5148

 42.8908, 0.3274,
0.5148


358.1625, 0.3260,
0.4153

 29.7994, 0.3251,
0.5407


 79.5460, 0.3287,
0.4776


 19.6864, 0.3204,
0.5738


 103.8787, 0.3286,
0.4639

 12.1673, 0.3108,
0.6170


 132.7273, 0.3283,
0.4524

 6.8577, 0.2970,
0.6869

 166.4762, 0.3279,
0.4427

 3.3733, 0.2518,
0.7482

 205.5097, 0.3274,
0.4344

 1.3296, 0.0392,
0.9608

250.2124, 0.3270,

 0.1639, 0.0000,

0.4272

1.0000

300.9685, 0.3265,
0.4209

0.0000, 0.0000,
0.0000

42.8908, 0.3274,
0.5148

42.8908, 0.3274,
0.5148

41.8666, 0.3259,
0.5422

44.1306, 0.3274,
0.4841

41.0387, 0.3229,
0.5644

45.5928, 0.3261,
0.4519

40.3935, 0.3185,
0.5801

47.2906, 0.3238,
0.4199

40.0144, 0.3149,
0.5881

49.2343, 0.3208,
0.3894

51.4337, 0.3173,
0.3610

■ 53.8982, 0.3137,
0.3352

■ 56.6363, 0.3099,
0.3120

■ 59.6566, 0.3063,
0.2914

■ 62.9669, 0.3027,
0.2733

Harmonies

Analogous

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



42.8908, 0.4172, 0.4955



42.8908, 0.3274, 0.5148



42.8908, 0.2385, 0.4510

Triad

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



42.8908, 0.3274, 0.5148



42.8908, 0.1572, 0.1971



42.8908, 0.4664, 0.2971

Complementary

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



42.8908, 0.3274, 0.5148



15.8735, 0.2742, 0.1665

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.



42.8908, 0.3719, 0.2397



42.8908, 0.3274, 0.5148



42.8908, 0.1970, 0.1844

Square

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



42.8908, 0.3274, 0.5148



42.8908, 0.1494, 0.2453



42.8908, 0.2708, 0.1999



42.8908, 0.5087, 0.3633

Rectangle

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



42.8908, 0.3274, 0.5148



42.8908, 0.1924, 0.3755



42.8908, 0.2708, 0.1999



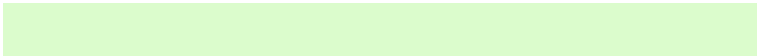
42.8908, 0.4387, 0.2766

Sweetspot

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



42.8926, 0.3274, 0.5148



89.4144, 0.3197, 0.3799



35.9848, 0.4295, 0.4335



19.3388, 0.3207, 0.3884



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.



42.8926, 0.3274, 0.5148



74.4110, 0.3250, 0.5509



41.2796, 0.2925, 0.4960



11.4077, 0.3162, 0.3525



26.0476, 0.3158, 0.5874



1.1627, 0.3339, 0.5731

Inverse Universe

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



15.8735, 0.2742, 0.1665



22.0188, 0.2627, 0.1393



19.3725, 0.3478, 0.2080



10.0850, 0.3089, 0.3060



5.9129, 0.2442, 0.1119



0.2907, 0.2619, 0.1216

Previews

White Background



This preview shows how the Yxy color 42.8908, 0.3274, 0.5148 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 42.8908, 0.3274, 0.5148 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

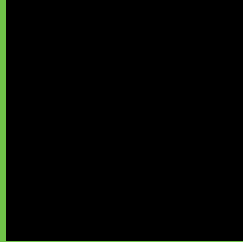
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 42.8908, 0.3274, 0.5148

Background



This preview shows how black text looks on a background with the Yxy color 42.8908, 0.3274, 0.5148.

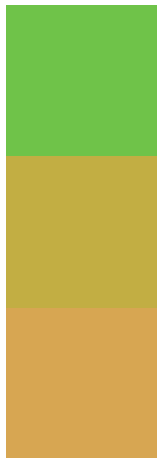


This preview shows how white text looks on a background with the Yxy color 42.8908, 0.3274, 0.5148.

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

42.8908, 0.3274, 0.5148

Protanopia

42.1467, 0.4175, 0.4583

Deuteranopia

42.3287, 0.4345, 0.4259



Tritanopia

42.8037, 0.2638, 0.3091

Trichromacy



Original Color

42.8908, 0.3274, 0.5148



Protanomaly

41.7781, 0.3813, 0.4811



Deuteranomaly

41.3559, 0.3912, 0.4588



Tritanomaly

42.0927, 0.2886, 0.3827

Monochromacy



Original Color

42.8908, 0.3274, 0.5148



Achromatopsia

33.2452, 0.3127, 0.3290



Achromatomaly

35.8313, 0.3220, 0.3985

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.8908, 0.3274, 0.5148 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(111, 195, 73)` looks like.

```
.text, #text, p{  
    color:rgb(111, 195, 73)  
}
```

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(111, 195, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 195, 73) }
```

Border

The CSS property to change the border of an element to Yxy 42.8908, 0.3274, 0.5148 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(111, 195, 73) }
```

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

```
.border{ border-color:rgb(111, 195, 73) }
```

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

Here you see how a box with a 4 pixel `rgb(111, 195, 73)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(111, 195, 73); -webkit-box-shadow:4px 4px 4px 4px rgb(111, 195, 73); box-shadow:4px 4px 4px 4px rgb(111, 195, 73) }
```


Background

The CSS property to change the background color of an element to Yxy 42.8908, 0.3274, 0.5148 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 195, 73) }
```

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

```
.background{ background-color: rgb(111,  
195, 73) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor