

Converting Colors

$Y_{xy}(42.9411, 0.4069, 0.5148)$

Have a look what the booklet for
Yxy(42.9411, 0.4069, 0.5148)
contains.

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Color

Yxy(42.9411, 0.4069, 0.5148)

Conversions

Conversions Part 1

Format	Color
Hex	ABB801
RGB	171, 184, 1
RGB Percent	67%, 72%, 0%
CMY	0.3294, 0.2784, 0.9956
CMYK	0.07, 0.00, 0.99, 0.28
HSL	64°, 99%, 36%
HSV	64°, 99%, 72%
XYZ	33.9408, 42.9411, 6.5313
YIQ	159.2510, 50.9950, -59.6690

Conversions

Conversions Part 2

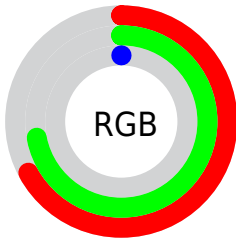
Format	Color
RYB	1, 184, 14
Decimal	11253761
CIELab	71.51, -22.49, 72.60
CIELCh	72, 76.001, 107.212
Yxy	42.9411, 0.4069, 0.5148
Android (android.graphics.Color)	4289443841 (0xFFABB801)
YUV	159.2510, -78.0177, 10.3039
Hunter-Lab	65.5295, -22.2229, 39.9613

Details

The Yxy color **42.9411, 0.4069, 0.5148** is a dark color, and the websafe version is hex **CCCC33**. A complement of this color would be **3.5796, 0.1525, 0.0617**, and the grayscale version is **35.1463, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.7224, 0.3966, 0.4846**, and **19.8100, 0.3973, 0.5227** is the 20% darker color. If you saturate the color by 10%, you get **42.9317, 0.4069, 0.5151**, and if you desaturate by 10%, it is **43.1371, 0.4058, 0.5097**.

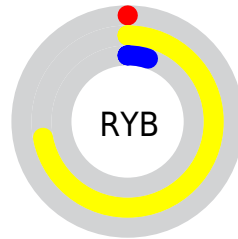
Distribution



Red (67%)

Green (72%)

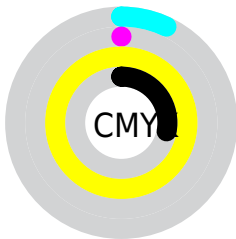
Blue (0%)



Red (0%)

Yellow (72%)

Blue (5%)

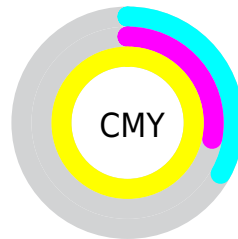


Cyan (7%)

Magenta (0%)

Yellow (99%)

Black (28%)



Cyan (33%)


Magenta (28%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.9411, 0.4069, 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 42.9411, 0.4069, 0.5148 by changing the saturation by 10% instead.


 42.9411, 0.4069,
0.5148

 42.9411, 0.4069,
0.5148


358.3695, 0.3695,
0.4251

 29.8389, 0.4113,
0.5333


 79.6220, 0.3967,
0.4845

 19.7163, 0.4137,
0.5541


 103.9694, 0.3918,
0.4723

 12.1890, 0.4168,
0.5832


 132.8341, 0.3872,
0.4617

 6.8725, 0.4014,
0.5986

 166.6004, 0.3830,
0.4525

 3.3825, 0.3775,
0.6225

 205.6527, 0.3791,
0.4444

 1.3345, 0.3318,
0.6682

 250.3754, 0.3756,

 0.1677, 0.0000,

0.4372

1.0000

301.1528, 0.3724,
0.4308

■ 0.0000, 0.0000,
0.0000

■ 42.9411, 0.4069,
0.5148

■ 42.9411, 0.4069,
0.5148

■ 42.9317, 0.4069,
0.5151

■ 43.1371, 0.4058,
0.5097

■ 43.3769, 0.4025,
0.5009

■ 43.6768, 0.3967,
0.4878

■ 44.0444, 0.3885,
0.4706

■ 44.4862, 0.3781,
0.4500

■ 45.0080, 0.3660,
0.4268

■ 45.6149, 0.3529,
0.4021

■ 46.3117, 0.3392,
0.3769

■ 47.1026, 0.3254,
0.3518

Harmonies

Analogous

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



42.9411, 0.4865, 0.4491



42.9411, 0.4069, 0.5148



42.9411, 0.3098, 0.5268

Triad

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



42.9411, 0.4069, 0.5148



42.9411, 0.1386, 0.2268



42.9411, 0.3948, 0.2425

Complementary

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



42.9411, 0.4069, 0.5148



3.5796, 0.1525, 0.0617

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.



42.9411, 0.2835, 0.1972



42.9411, 0.4069, 0.5148



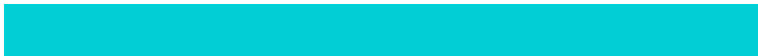
42.9411, 0.1524, 0.1838

Square

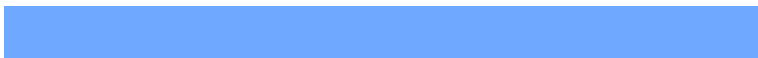
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



42.9411, 0.4069, 0.5148



42.9411, 0.1588, 0.3172



42.9411, 0.1995, 0.1764



42.9411, 0.4910, 0.3046

Rectangle

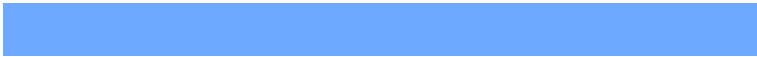
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



42.9411, 0.4069, 0.5148



42.9411, 0.2466, 0.4806



42.9411, 0.1995, 0.1764



42.9411, 0.3566, 0.2251

Sweetspot

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



42.9431, 0.4069, 0.5148



82.5548, 0.3544, 0.4049



10.4893, 0.6341, 0.3339



17.6953, 0.3599, 0.4153



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



42.9431, 0.4069, 0.5148



77.7766, 0.4067, 0.5152



36.0070, 0.3283, 0.5771



10.4700, 0.3253, 0.3517



29.5995, 0.4071, 0.5150



1.0532, 0.4105, 0.5123

Inverse Universe

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



3.5796, 0.1525, 0.0617



6.3931, 0.1517, 0.0609



6.4737, 0.2166, 0.0970



8.7492, 0.2995, 0.3054



2.4567, 0.1527, 0.0615



0.0970, 0.1633, 0.0673

Previews

White Background



This preview shows how the Yxy color 42.9411, 0.4069, 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 42.9411, 0.4069, 0.5148 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

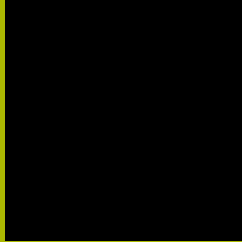
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.9411, 0.4069, 0.5148

Background



This preview shows how black text looks on a background with the Yxy color 42.9411, 0.4069, 0.5148.



This preview shows how white text looks on a background with the Yxy color 42.9411, 0.4069, 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

42.9411, 0.4069, 0.5148

Protanopia

42.5303, 0.4405, 0.4884

Deuteranopia

42.7383, 0.4668, 0.4566



Tritanopia

42.7769, 0.3135, 0.3120

Trichromacy



Original Color

42.9411, 0.4069, 0.5148

Protanomaly

42.5322, 0.4289, 0.4976

Deuteranomaly

42.6307, 0.4456, 0.4786

Tritanomaly

41.9187, 0.3652, 0.4102

Monochromacy



Original Color

42.9411, 0.4069, 0.5148

Achromatopsia

34.6704, 0.3127, 0.3290

Achromatomaly

36.7511, 0.3652, 0.4261

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.9411, 0.4069, 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(171, 184, 1)` looks like.

```
.text, #text, p{  
    color:rgb(171, 184, 1)  
}
```

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(171, 184, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 184, 1) }
```

Border

The CSS property to change the border of an element to Yxy 42.9411, 0.4069, 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(171, 184, 1) }
```

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

```
.border{ border-color:rgb(171, 184, 1) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 184, 1)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 184, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 184, 1);  
box-shadow:4px 4px 4px 4px rgb(171, 184,  
1) }
```


Background

The CSS property to change the background color of an element to Yxy 42.9411, 0.4069, 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(171, 184, 1) }
```

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

```
.background{ background-color: rgb(171,  
184, 1) }
```

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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