

Converting Colors

$Y_{xy}(42.1875, 0.3008, 0.5970)$

Have a look what the booklet for
Yxy(42.1875, 0.3008, 0.5970)
contains.

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Color

Yxy(42.3498, 0.3008, 0.5970)

Conversions

Conversions Part 1

Format	Color
Hex	0ECA07
RGB	14, 202, 7
RGB Percent	5%, 79%, 3%
CMY	0.9457, 0.2078, 0.9726
CMYK	0.93, 0.00, 0.97, 0.21
HSL	118°, 93%, 41%
HSV	118°, 97%, 79%
XYZ	21.3381, 42.3498, 7.2498
YIQ	123.5580, -49.4530, -100.5010

Conversions

Conversions Part 2

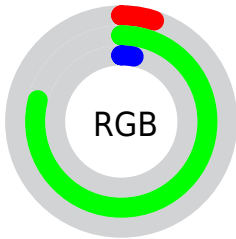
Format	Color
RYB	7, 202, 195
Decimal	969223
CIELab	71.11, -71.60, 69.13
CIELCh	71, 99.523, 136.004
Yxy	42.3498, 0.3008, 0.5970
Android (android.graphics.Color)	4279159303 (0xFF0ECA07)
YUV	123.5580, -57.4631, -96.0824
Hunter-Lab	65.0767, -55.3558, 38.9485

Details

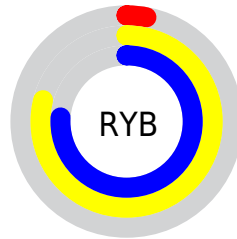
The Yxy color **42.3498, 0.3008, 0.5970** is a dark color, and the websafe version is hex **00CC00**. The color can be described as dark washed green. A complement of this color would be **16.0394, 0.3124, 0.1505**, and the grayscale version is **20.1927, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.2703, 0.3119, 0.5412**, and **20.5578, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **42.2899, 0.3007, 0.5995**, and if you desaturate by 10%, it is **42.6530, 0.3019, 0.5864**.

Distribution



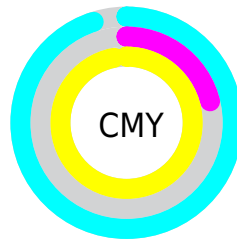
- Red (5%)
- Green (79%)
- Blue (3%)



- Red (3%)
- Yellow (79%)
- Blue (76%)



- Cyan (93%)
- Magenta (0%)
- Yellow (97%)
- Black (21%)





- Cyan (95%)
- Magenta (21%)
- Yellow (97%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.3498, 0.3008, 0.5970 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 42.3498, 0.3008, 0.5970 by changing the saturation by 10% instead.


 42.3498, 0.3008,
0.5970


 42.3498, 0.3008,
0.5970


355.9309, 0.3199,
0.4522

 29.3753, 0.2906,
0.6331


 78.7288, 0.3116,
0.5435


 19.3649, 0.2744,
0.6775


 102.9020, 0.3144,
0.5235


 11.9342, 0.2512,
0.7412


 131.5769, 0.3164,
0.5067

 6.6989, 0.2050,
0.7950

 165.1380, 0.3177,
0.4924

 3.2745, 0.1264,
0.8736

 203.9695, 0.3186,
0.4802

 1.2767, 0.0000,
1.0000

 248.4559, 0.3192,

 0.1230, 0.0000,

0.4696

1.0000

298.9816, 0.3196,
0.4603

■ 0.0000, 0.0000,
0.0000

■ 42.3498, 0.3008,
0.5970

■ 42.3498, 0.3008,
0.5970

■ 42.2899, 0.3007,
0.5995

■ 42.6530, 0.3019,
0.5864

■ 43.2047, 0.3033,
0.5673

■ 44.0464, 0.3049,
0.5405

■ 45.2107, 0.3065,
0.5082

■ 46.7256, 0.3081,
0.4732

■ 48.6163, 0.3094,
0.4378

■ 50.9055, 0.3106,
0.4041

■ 53.6142, 0.3115,
0.3731

■ 56.7619, 0.3123,
0.3453

Harmonies

Analogous

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



42.3498, 0.4184, 0.5528



42.3498, 0.3008, 0.5970



42.3498, 0.1915, 0.4916

Triad

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



42.3498, 0.3008, 0.5970



42.3498, 0.1179, 0.1513



42.3498, 0.5408, 0.2880

Complementary

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



42.3498, 0.3008, 0.5970



16.0394, 0.3124, 0.1505

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.



42.3498, 0.4115, 0.2179



42.3498, 0.3008, 0.5970



42.3498, 0.1690, 0.1439

Square

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



42.3498, 0.3008, 0.5970



42.3498, 0.1028, 0.1991



42.3498, 0.2676, 0.1668



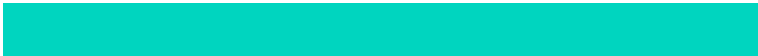
42.3498, 0.5772, 0.3658

Rectangle

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



42.3498, 0.3008, 0.5970



42.3498, 0.1400, 0.3689



42.3498, 0.2676, 0.1668



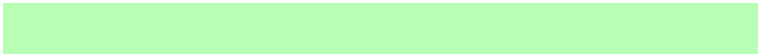
42.3498, 0.5053, 0.2635

Sweetspot

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



42.3516, 0.3008, 0.5970



85.0051, 0.3103, 0.4135



50.3845, 0.4273, 0.4972



17.8361, 0.3098, 0.4281



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.



42.3516, 0.3008, 0.5970



71.5778, 0.3005, 0.5996



43.1109, 0.2762, 0.5118



12.5554, 0.3121, 0.3529



27.2192, 0.3009, 0.5993



1.4109, 0.3038, 0.5970

Inverse Universe

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



16.0394, 0.3124, 0.1505



26.8207, 0.3120, 0.1492



13.9299, 0.4686, 0.2375



11.3829, 0.3132, 0.3061



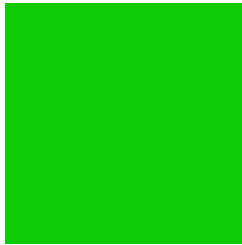
10.2102, 0.3122, 0.1494



0.5331, 0.3140, 0.1504

Previews

White Background



This preview shows how the Yxy color 42.3498, 0.3008, 0.5970 looks on a white background.

Color Contrast Check

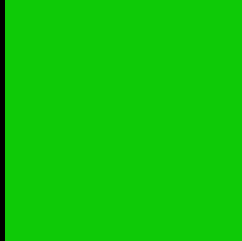
Large Text (above 18pt) WCAG AA × Fail

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 42.3498, 0.3008, 0.5970 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

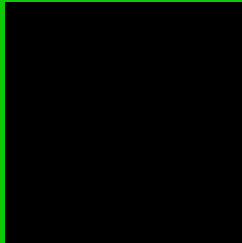
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.3498, 0.3008, 0.5970

Background



This preview shows how black text looks on a background with the Yxy color 42.3498, 0.3008, 0.5970.



This preview shows how white text looks on a background with the Yxy color 42.3498, 0.3008, 0.5970.

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

42.3498, 0.3008, 0.5970

Protanopia

41.4892, 0.4407, 0.4883

Deuteranopia

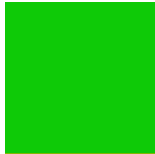
41.4845, 0.4603, 0.4510



Tritanopia

42.2095, 0.2362, 0.3066

Trichromacy



Original Color

42.3498, 0.3008, 0.5970



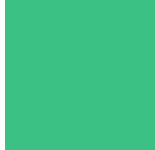
Protanomaly

38.9547, 0.3671, 0.5457



Deuteranomaly

37.7794, 0.3797, 0.5217



Tritanomaly

40.7357, 0.2660, 0.4327

Monochromacy



Original Color

42.3498, 0.3008, 0.5970



Achromatopsia

20.1556, 0.3127, 0.3290



Achromatomaly

24.9354, 0.3086, 0.4701

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.3498, 0.3008, 0.5970 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(14, 202, 7)` looks like.

```
.text, #text, p{  
    color:rgb(14, 202, 7)  
}
```

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(14, 202, 7) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(14, 202, 7) }
```

Border

The CSS property to change the border of an element to Yxy 42.3498, 0.3008, 0.5970 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(14, 202, 7) }
```

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

```
.border{ border-color:rgb(14, 202, 7) }
```

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

Here you see how a box with a 4 pixel `rgb(14, 202, 7)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(14, 202, 7); -webkit-box-  
shadow:4px 4px 4px 4px rgb(14, 202, 7);  
box-shadow:4px 4px 4px 4px rgb(14, 202, 7)  
}
```


Background

The CSS property to change the background color of an element to Yxy 42.3498, 0.3008, 0.5970 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(14, 202, 7) }
```

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

```
.background{ background-color: rgb(14, 202,  
7) }
```

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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