

Converting Colors

$Y_{xy}(41.8512, 0.2992, 0.5948)$

Have a look what the booklet for
Yxy(41.8512, 0.2992, 0.5948)
contains.

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Color

Yxy(41.8494, 0.2992, 0.5948)

Conversions

Conversions Part 1

Format	Color
Hex	06C910
RGB	6, 201, 16
RGB Percent	2%, 79%, 6%
CMY	0.9781, 0.2117, 0.9372
CMYK	0.97, 0.00, 0.92, 0.21
HSL	123°, 95%, 41%
HSV	123°, 97%, 79%
XYZ	21.0513, 41.8494, 7.4580
YIQ	121.6050, -56.8350, -98.8750

Conversions

Conversions Part 2

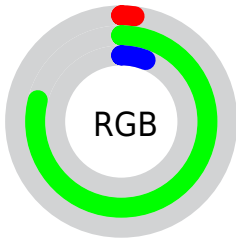
Format	Color
RYB	6, 191, 201
Decimal	444688
CIELab	70.77, -71.48, 67.77
CIELCh	71, 98.496, 136.527
Yxy	41.8494, 0.2992, 0.5948
Android (android.graphics.Color)	4278634768 (0xFF06C910)
YUV	121.6050, -52.0633, -101.3856
Hunter-Lab	64.6911, -55.1232, 38.4484

Details

The Yxy color **41.8494, 0.2992, 0.5948** 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 **16.2835, 0.3343, 0.1625**, and the grayscale version is **19.4727, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.1951, 0.3101, 0.5390**, and **20.2508, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **41.8012, 0.2992, 0.5970**, and if you desaturate by 10%, it is **42.1147, 0.2989, 0.5824**.

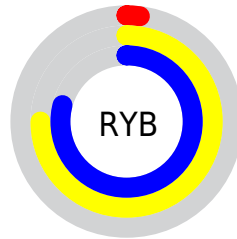
Distribution



Red (2%)

Green (79%)

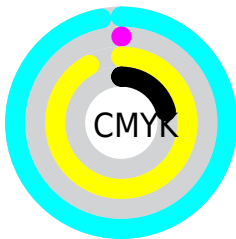
Blue (6%)



Red (2%)

Yellow (75%)

Blue (79%)

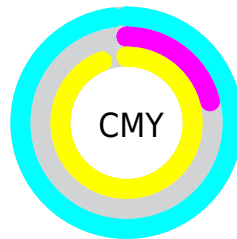


Cyan (97%)

Magenta (0%)

Yellow (92%)

Black (21%)



Cyan (98%)


Magenta (21%)


Yellow (94%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.8494, 0.2992, 0.5948 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 41.8494, 0.2992, 0.5948 by changing the saturation by 10% instead.


 41.8494, 0.2992,
0.5948

 41.8494, 0.2992,
0.5948


353.8583, 0.3187,
0.4506


 28.9834, 0.2890,
0.6311


 77.9716, 0.3101,
0.5413


 19.0683, 0.2728,
0.6760


 101.9967, 0.3130,
0.5213

 11.7196, 0.2493,
0.7395


 130.5102, 0.3149,
0.5046

 6.5531, 0.2035,
0.7965

 163.8965, 0.3163,
0.4904

 3.1842, 0.1215,
0.8785

 202.5401, 0.3173,
0.4783

 1.2286, 0.0000,
1.0000

 246.8253, 0.3179,

 0.0849, 0.0000,

0.4678

1.0000

297.1366, 0.3184,
0.4586

■ 0.0000, 0.0000,
0.0000

■ 41.8494, 0.2992,
0.5948

■ 41.8494, 0.2992,
0.5948

■ 41.8012, 0.2992,
0.5970

■ 42.1147, 0.2989,
0.5824

■ 42.6205, 0.2990,
0.5621

■ 43.4143, 0.2998,
0.5349

■ 44.5304, 0.3011,
0.5030

■ 45.9984, 0.3029,
0.4688

■ 47.8444, 0.3050,
0.4347

■ 50.0920, 0.3071,
0.4023

■ 52.7632, 0.3093,
0.3726

■ 55.8780, 0.3113,
0.3461

Harmonies

Analogous

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



41.8494, 0.4164, 0.5534



41.8494, 0.2992, 0.5948



41.8494, 0.1907, 0.4873

Triad

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



41.8494, 0.2992, 0.5948



41.8494, 0.1193, 0.1517



41.8494, 0.5410, 0.2897

Complementary

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



41.8494, 0.2992, 0.5948



16.2835, 0.3343, 0.1625

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.



41.8494, 0.4136, 0.2196



41.8494, 0.2992, 0.5948



41.8494, 0.1709, 0.1448

Square

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



41.8494, 0.2992, 0.5948



41.8494, 0.1036, 0.1986



41.8494, 0.2701, 0.1682



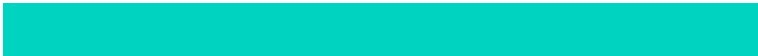
41.8494, 0.5756, 0.3674

Rectangle

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



41.8494, 0.2992, 0.5948



41.8494, 0.1399, 0.3657



41.8494, 0.2701, 0.1682



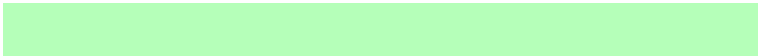
41.8494, 0.5062, 0.2652

Sweetspot

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



41.8511, 0.2992, 0.5948



84.8523, 0.3066, 0.4092



52.8972, 0.4103, 0.5111



17.8015, 0.3057, 0.4232



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.



41.8511, 0.2992, 0.5948



71.5506, 0.2994, 0.5977



43.0075, 0.2671, 0.4798



11.8969, 0.3109, 0.3516



26.2845, 0.2989, 0.5961



1.2478, 0.2951, 0.5825

Inverse Universe

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



16.2835, 0.3343, 0.1625



27.6349, 0.3350, 0.1619



13.3397, 0.5111, 0.2607



10.8065, 0.3146, 0.3074



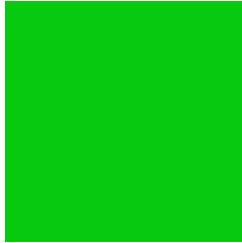
10.1573, 0.3346, 0.1617



0.4840, 0.3315, 0.1600

Previews

White Background



This preview shows how the Yxy color 41.8494, 0.2992, 0.5948 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 41.8494, 0.2992, 0.5948 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 41.8494, 0.2992, 0.5948

Background



This preview shows how black text looks on a background with the Yxy color 41.8494, 0.2992, 0.5948.



This preview shows how white text looks on a background with the Yxy color 41.8494, 0.2992, 0.5948.

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

41.8494, 0.2992, 0.5948

Protanopia

40.9744, 0.4408, 0.4882

Deuteranopia

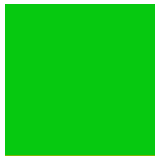
40.9906, 0.4596, 0.4495



Tritanopia

41.6897, 0.2359, 0.3065

Trichromacy



Original Color

41.8494, 0.2992, 0.5948



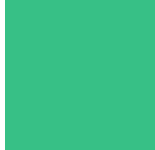
Protanomaly

38.2401, 0.3638, 0.5472



Deuteranomaly

37.0546, 0.3753, 0.5214



Tritanomaly

40.2327, 0.2631, 0.4281

Monochromacy



Original Color

41.8494, 0.2992, 0.5948



Achromatopsia

19.1202, 0.3127, 0.3290



Achromatomaly

24.0995, 0.3029, 0.4652

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.8494, 0.2992, 0.5948 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(6, 201, 16)` looks like.

```
.text, #text, p{  
    color:rgb(6, 201, 16)  
}
```

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(6, 201, 16) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(6, 201, 16) }
```

Border

The CSS property to change the border of an element to Yxy 41.8494, 0.2992, 0.5948 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(6, 201, 16) }
```

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

```
.border{ border-color:rgb(6, 201, 16) }
```

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

Here you see how a box with a 4 pixel `rgb(6, 201, 16)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(6, 201, 16); -webkit-box-  
shadow:4px 4px 4px 4px rgb(6, 201, 16);  
box-shadow:4px 4px 4px 4px rgb(6, 201, 16)  
}
```


Background

The CSS property to change the background color of an element to Yxy 41.8494, 0.2992, 0.5948 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(6, 201, 16) }
```

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

```
.background{ background-color: rgb(6, 201,  
16) }
```

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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