

Converting Colors

$Y_{xy}(41.2161, 0.3001, 0.5984)$

Have a look what the booklet for
Yxy(41.2161, 0.3001, 0.5984)
contains.

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Color

Yxy(41.3496, 0.3002, 0.5985)

Conversions

Conversions Part 1

Format	Color
Hex	05C804
RGB	5, 200, 4
RGB Percent	2%, 78%, 2%
CMY	0.9794, 0.2157, 0.9848
CMYK	0.97, 0.00, 0.98, 0.22
HSL	120°, 96%, 40%
HSV	120°, 98%, 78%
XYZ	20.7404, 41.3496, 6.9987
YIQ	119.3510, -53.3040, -102.2960

Conversions

Conversions Part 2

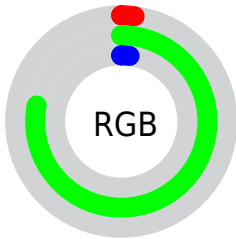
Format	Color
RYB	4, 200, 199
Decimal	378884
CIELab	70.42, -71.48, 68.88
CIELCh	70, 99.270, 136.059
Yxy	41.3496, 0.3002, 0.5985
Android (android.graphics.Color)	4278568964 (0xFF05C804)
YUV	119.3510, -56.8680, -100.2858
Hunter-Lab	64.3037, -54.9582, 38.5595

Details

The Yxy color **41.3496, 0.3002, 0.5985** 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 **16.3451, 0.3192, 0.1538**, and the grayscale version is **18.7824, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.1325, 0.3114, 0.5427**, and **19.9465, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **41.3180, 0.3001, 0.5999**, and if you desaturate by 10%, it is **41.5824, 0.3007, 0.5892**.

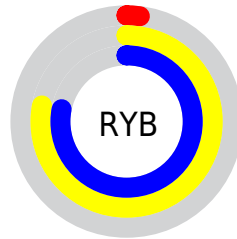
Distribution



Red (2%)

Green (78%)

Blue (2%)



Red (2%)

Yellow (78%)

Blue (78%)

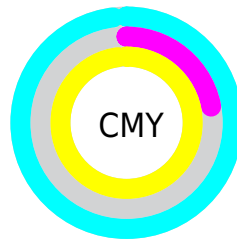


Cyan (97%)

Magenta (0%)

Yellow (98%)

Black (22%)



Cyan (98%)


Magenta (22%)

Yellow (98%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 41.3496, 0.3002, 0.5985 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 41.3496, 0.3002, 0.5985 by changing the saturation by 10% instead.

 41.3496, 0.3002,
0.5985


 41.3496, 0.3002,
0.5985


351.7796, 0.3197,
0.4523

 28.5924, 0.2898,
0.6351


 77.2143, 0.3112,
0.5443

 18.7727, 0.2731,
0.6801


 101.0906, 0.3142,
0.5241

 11.5061, 0.2498,
0.7466


 129.4420, 0.3161,
0.5072

 6.4083, 0.2015,
0.7985

 162.6529, 0.3175,
0.4928

 3.0949, 0.1154,
0.8846

 201.1077, 0.3184,
0.4805

 1.1815, 0.0000,
1.0000

 245.1908, 0.3190,

 0.0465, 0.0000,

0.4698

1.0000

295.2867, 0.3195,
0.4605

■ 0.0000, 0.0000,
0.0000

■ 41.3496, 0.3002,
0.5985

■ 41.3496, 0.3002,
0.5985

■ 41.3180, 0.3001,
0.5999

■ 41.5824, 0.3007,
0.5892

■ 42.0470, 0.3017,
0.5717

■ 42.7956, 0.3029,
0.5460

■ 43.8638, 0.3045,
0.5143

■ 45.2818, 0.3061,
0.4793

■ 47.0765, 0.3077,
0.4436

■ 49.2720, 0.3092,
0.4093

■ 51.8907, 0.3106,
0.3777

■ 54.9530, 0.3119,
0.3493

Harmonies

Analogous

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



41.3496, 0.4182, 0.5537



41.3496, 0.3002, 0.5985



41.3496, 0.1906, 0.4923

Triad

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



41.3496, 0.3002, 0.5985



41.3496, 0.1173, 0.1506



41.3496, 0.5421, 0.2878

Complementary

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



41.3496, 0.3002, 0.5985



16.3451, 0.3192, 0.1538

Split Complementary

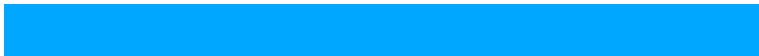
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



41.3496, 0.4123, 0.2175



41.3496, 0.3002, 0.5985



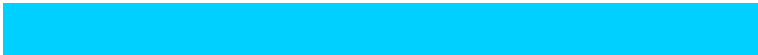
41.3496, 0.1685, 0.1432

Square

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



41.3496, 0.3002, 0.5985



41.3496, 0.1021, 0.1983



41.3496, 0.2676, 0.1663



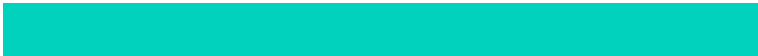
41.3496, 0.5782, 0.3657

Rectangle

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



41.3496, 0.3002, 0.5985



41.3496, 0.1391, 0.3687



41.3496, 0.2676, 0.1663



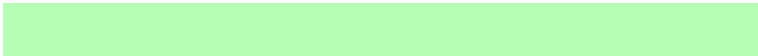
41.3496, 0.5065, 0.2632

Sweetspot

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



41.3513, 0.3002, 0.5985



84.7509, 0.3090, 0.4138



52.0989, 0.4218, 0.5024



17.7784, 0.3084, 0.4285



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.



41.3513, 0.3002, 0.5985



71.5315, 0.3001, 0.5999



42.2285, 0.2736, 0.5037



11.8914, 0.3117, 0.3529



26.2729, 0.3002, 0.5999



1.2453, 0.3008, 0.5994

Inverse Universe

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



16.3451, 0.3192, 0.1538



28.1423, 0.3191, 0.1532



13.3877, 0.4855, 0.2460



10.8127, 0.3137, 0.3062



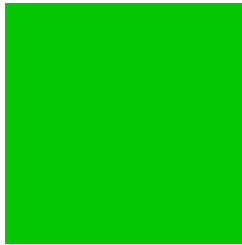
10.3387, 0.3192, 0.1532



0.4908, 0.3196, 0.1534

Previews

White Background



This preview shows how the Yxy color 41.3496, 0.3002, 0.5985 looks on a white background.

Color Contrast Check

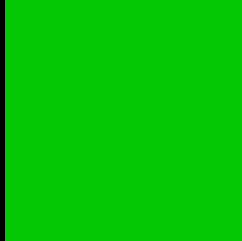
Large Text (above 18pt) WCAG AA × Fail

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 41.3496, 0.3002, 0.5985 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

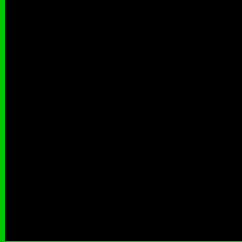
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

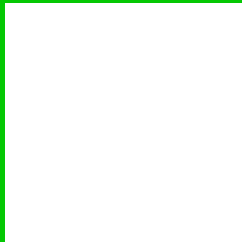
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 41.3496, 0.3002, 0.5985

Background



This preview shows how black text looks on a background with the Yxy color 41.3496, 0.3002, 0.5985.



This preview shows how white text looks on a background with the Yxy color 41.3496, 0.3002, 0.5985.

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

41.3496, 0.3002, 0.5985

Protanopia

40.4633, 0.4409, 0.4881

Deuteranopia

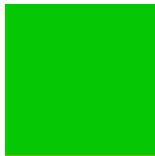
40.4622, 0.4610, 0.4508



Tritanopia

41.2197, 0.2361, 0.3064

Trichromacy



Original Color

41.3496, 0.3002, 0.5985



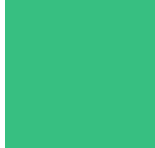
Protanomaly

37.8181, 0.3650, 0.5480



Deuteranomaly

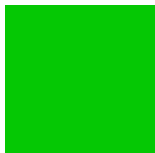
36.6283, 0.3778, 0.5243



Tritanomaly

39.6588, 0.2657, 0.4359

Monochromacy



Original Color

41.3496, 0.3002, 0.5985



Achromatopsia

18.4475, 0.3127, 0.3290



Achromatomaly

23.3353, 0.3067, 0.4749

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.3496, 0.3002, 0.5985 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(5, 200, 4)` looks like.

```
.text, #text, p{  
    color:rgb(5, 200, 4)  
}
```

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(5, 200, 4) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(5, 200, 4) }
```

Border

The CSS property to change the border of an element to Yxy 41.3496, 0.3002, 0.5985 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(5, 200, 4) }
```

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

```
.border{ border-color:rgb(5, 200, 4) }
```

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

Here you see how a box with a 4 pixel `rgb(5, 200, 4)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(5, 200, 4); -webkit-box-shadow:4px  
4px 4px 4px rgb(5, 200, 4); box-shadow:4px  
4px 4px 4px rgb(5, 200, 4) }
```


Background

The CSS property to change the background color of an element to Yxy 41.3496, 0.3002, 0.5985 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(5, 200, 4) }
```

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

```
.background{ background-color: rgb(5, 200,  
4) }
```

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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