

Converting Colors

$Y_{xy}(42.1875, 0.2918, 0.5728)$

Have a look what the booklet for
Yxy(42.1875, 0.2918, 0.5728)
contains.

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Color

Yxy(42.0036, 0.2922, 0.5718)

Conversions

Conversions Part 1

Format	Color
Hex	00C932
RGB	0, 201, 50
RGB Percent	0%, 79%, 20%
CMY	0.9988, 0.2118, 0.8040
CMYK	1.00, 0.00, 0.75, 0.21
HSL	135°, 100%, 39%
HSV	135°, 100%, 79%
XYZ	21.4646, 42.0036, 9.9904
YIQ	123.6870, -71.3250, -89.5730

Conversions

Conversions Part 2

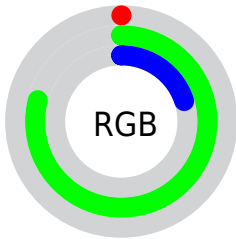
Format	Color
RYB	0, 161, 201
Decimal	51506
CIELab	70.87, -69.97, 59.58
CIELCh	71, 91.897, 139.588
Yxy	42.0036, 0.2922, 0.5718
Android (android.graphics.Color)	4278241586 (0xFF00C932)
YUV	123.6870, -36.3277, -108.4735
Hunter-Lab	64.8102, -54.3001, 36.2277

Details

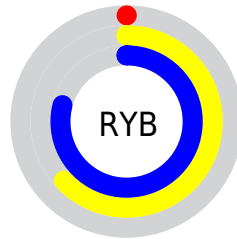
The Yxy color **42.0036, 0.2922, 0.5718** is a dark color, and the websafe version is hex **00CC33**. The color can be described as dark washed green. A complement of this color would be **14.6688, 0.3958, 0.1954**, and the grayscale version is **20.2175, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.4442, 0.3026, 0.5193**, and **20.2508, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **42.0015, 0.2922, 0.5720**, and if you desaturate by 10%, it is **42.3091, 0.2895, 0.5533**.

Distribution



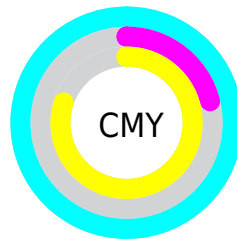
- Red (0%)
- Green (79%)
- Blue (20%)



- Red (0%)
- Yellow (63%)
- Blue (79%)



- Cyan (100%)
- Magenta (0%)
- Yellow (75%)
- Black (21%)




- Cyan (100%)
- Magenta (21%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.0036, 0.2922, 0.5718 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 42.0036, 0.2922, 0.5718 by changing the saturation by 10% instead.


 42.0036, 0.2922,
0.5718

 42.0036, 0.2922,
0.5718

354.4979, 0.3124,
0.4387

 29.1041, 0.2831,
0.6067


 78.2051, 0.3024,
0.5216


 19.1596, 0.2688,
0.6512


 102.2758, 0.3054,
0.5032


 11.7857, 0.2457,
0.7085


 130.8392, 0.3075,
0.4878

 6.5979, 0.2098,
0.7902

 164.2794, 0.3091,
0.4749

 3.2119, 0.1320,
0.8680

 202.9810, 0.3103,
0.4639

 1.2434, 0.0000,
1.0000

 247.3284, 0.3112,

 0.0967, 0.0000,

0.4543

1.0000

297.7059, 0.3119,
0.4460

■ 0.0000, 0.0000,
0.0000

■ 42.0036, 0.2922,
0.5718

■ 42.0036, 0.2922,
0.5718

■ 42.0015, 0.2922,
0.5720

■ 42.3091, 0.2895,
0.5533

■ 42.8170, 0.2879,
0.5304

■ 43.5853, 0.2876,
0.5041

■ 44.6455, 0.2888,
0.4759

■ 46.0244, 0.2913,
0.4473

■ 47.7458, 0.2947,
0.4194

■ 49.8310, 0.2988,
0.3933

■ 52.2998, 0.3033,
0.3694

■ 55.1703, 0.3081,
0.3478

Harmonies

Analogous

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



42.0036, 0.4044, 0.5505



42.0036, 0.2922, 0.5718



42.0036, 0.1903, 0.4587

Triad

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



42.0036, 0.2922, 0.5718



42.0036, 0.1313, 0.1583



42.0036, 0.5344, 0.3012

Complementary

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



42.0036, 0.2922, 0.5718



14.6688, 0.3958, 0.1954

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.



42.0036, 0.4218, 0.2320



42.0036, 0.2922, 0.5718



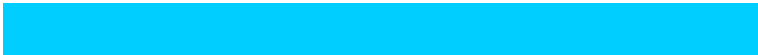
42.0036, 0.1858, 0.1542

Square

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



42.0036, 0.2922, 0.5718



42.0036, 0.1129, 0.1998



42.0036, 0.2857, 0.1798



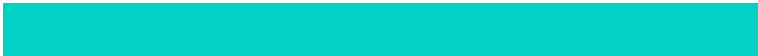
42.0036, 0.5596, 0.3781

Rectangle

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



42.0036, 0.2922, 0.5718



42.0036, 0.1441, 0.3482



42.0036, 0.2857, 0.1798



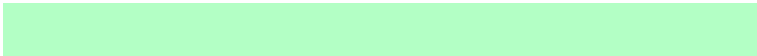
42.0036, 0.5046, 0.2771

Sweetspot

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



42.0053, 0.2922, 0.5718



85.0954, 0.2986, 0.3947



48.6607, 0.3784, 0.5377



17.8738, 0.2967, 0.4057



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.



42.0053, 0.2922, 0.5718



71.8802, 0.2928, 0.5741



43.8969, 0.2495, 0.4181



11.9302, 0.3083, 0.3469



26.4214, 0.2916, 0.5697



1.2630, 0.2798, 0.5273

Inverse Universe

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



14.6688, 0.3958, 0.1954



25.0605, 0.3971, 0.1961



12.6886, 0.5886, 0.3017



10.7700, 0.3175, 0.3118



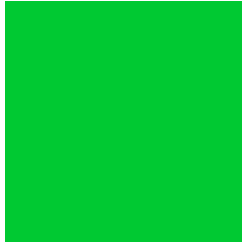
9.2328, 0.3946, 0.1947



0.4482, 0.3761, 0.1845

Previews

White Background



This preview shows how the Yxy color 42.0036, 0.2922, 0.5718 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 42.0036, 0.2922, 0.5718 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 42.0036, 0.2922, 0.5718

Background



This preview shows how black text looks on a background with the Yxy color 42.0036, 0.2922, 0.5718.



This preview shows how white text looks on a background with the Yxy color 42.0036, 0.2922, 0.5718.

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

42.0036, 0.2922, 0.5718

Protanopia

41.0169, 0.4301, 0.4745

Deuteranopia

40.8722, 0.4476, 0.4379



Tritanopia

41.6914, 0.2350, 0.3051

Trichromacy



Original Color

42.0036, 0.2922, 0.5718



Protanomaly

38.2752, 0.3531, 0.5280



Deuteranomaly

37.0048, 0.3621, 0.5021



Tritanomaly

40.5627, 0.2553, 0.4047

Monochromacy



Original Color

42.0036, 0.2922, 0.5718



Achromatopsia

20.1556, 0.3127, 0.3290



Achromatomaly

24.9818, 0.2922, 0.4394

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.0036, 0.2922, 0.5718 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(0, 201, 50)` looks like.

```
.text, #text, p{  
    color:rgb(0, 201, 50)  
}
```

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(0, 201, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 201, 50) }
```

Border

The CSS property to change the border of an element to Yxy 42.0036, 0.2922, 0.5718 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(0, 201, 50) }
```

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

```
.border{ border-color:rgb(0, 201, 50) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 201, 50)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 201, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 201, 50);  
box-shadow:4px 4px 4px 4px rgb(0, 201, 50)  
}
```


Background

The CSS property to change the background color of an element to Yxy 42.0036, 0.2922, 0.5718 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 201, 50) }
```

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

```
.background{ background-color: rgb(0, 201,  
50) }
```

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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