

Converting Colors

$Y_{xy}(42.1875, 0.2946, 0.5778)$

Have a look what the booklet for
Yxy(42.1875, 0.2946, 0.5778)
contains.

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Color

Yxy(41.9929, 0.2946, 0.5779)

Conversions

Conversions Part 1

Format	Color
Hex	07C92B
RGB	7, 201, 43
RGB Percent	3%, 79%, 17%
CMY	0.9741, 0.2117, 0.8313
CMYK	0.97, 0.00, 0.79, 0.21
HSL	131°, 94%, 41%
HSV	131°, 97%, 79%
XYZ	21.4070, 41.9929, 9.2647
YIQ	124.9820, -64.9060, -90.2660

Conversions

Conversions Part 2

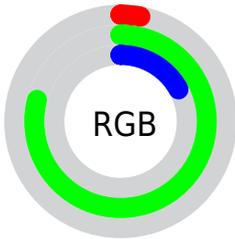
Format	Color
RYB	7, 171, 201
Decimal	510251
CIELab	70.87, -70.21, 61.80
CIELCh	71, 93.536, 138.645
Yxy	41.9929, 0.2946, 0.5779
Android (android.graphics.Color)	4278700331 (0xFF07C92B)
YUV	124.9820, -40.4171, -103.4702
Hunter-Lab	64.8019, -54.4368, 36.8846

Details

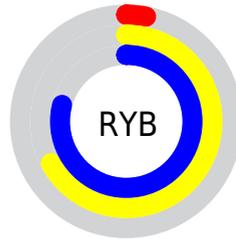
The Yxy color **41.9929, 0.2946, 0.5779** is a dark color, and the websafe version is hex **00CC33**. The color can be described as dark washed green. A complement of this color would be **15.2640, 0.3729, 0.1841**, and the grayscale version is **20.6183, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.4628, 0.3052, 0.5242**, and **20.2508, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **41.9151, 0.2952, 0.5828**, and if you desaturate by 10%, it is **42.3260, 0.2926, 0.5595**.

Distribution



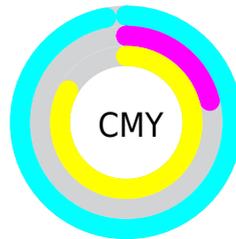
- Red (3%)
- Green (79%)
- Blue (17%)



- Red (3%)
- Yellow (67%)
- Blue (79%)



- Cyan (97%)
- Magenta (0%)
- Yellow (79%)
- Black (21%)



- Cyan (97%)
- Magenta (21%)
- Yellow (83%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 41.9929, 0.2946, 0.5779 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 41.9929, 0.2946, 0.5779 by changing the saturation by 10% instead.

 41.9929, 0.2946,
0.5779

 41.9929, 0.2946,
0.5779

354.4535, 0.3143,
0.4418

 29.0957, 0.2853,
0.6132

 78.1889, 0.3049,
0.5268

 19.1533, 0.2706,
0.6579

 102.2565, 0.3077,
0.5080

 11.7811, 0.2472,
0.7160

 130.8163, 0.3098,
0.4923

 6.5948, 0.2088,
0.7912

 164.2529, 0.3113,
0.4790

 3.2100, 0.1305,
0.8695

 202.9505, 0.3124,
0.4677

 1.2423, 0.0000,
1.0000

 247.2935, 0.3132,

 0.0959, 0.0000,

0.4579

1.0000

297.6664, 0.3138,
0.4493

■ 0.0000, 0.0000,
0.0000

■ 41.9929, 0.2946,
0.5779

■ 41.9929, 0.2946,
0.5779

■ 41.9151, 0.2952,
0.5828

■ 42.3260, 0.2926,
0.5595

■ 42.8949, 0.2916,
0.5357

■ 43.7409, 0.2918,
0.5079

■ 44.8949, 0.2932,
0.4779

■ 46.3834, 0.2956,
0.4474

■ 48.2303, 0.2988,
0.4179

■ 50.4569, 0.3024,
0.3902

■ 53.0831, 0.3062,
0.3651

■ 56.1274, 0.3101,
0.3426

Harmonies

Analogous

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



41.9929, 0.4081, 0.5511



41.9929, 0.2946, 0.5779



41.9929, 0.1909, 0.4665

Triad

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



41.9929, 0.2946, 0.5779



41.9929, 0.1280, 0.1567



41.9929, 0.5357, 0.2980

Complementary

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



41.9929, 0.2946, 0.5779



15.2640, 0.3729, 0.1841

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.



41.9929, 0.4191, 0.2285



41.9929, 0.2946, 0.5779



41.9929, 0.1817, 0.1518

Square

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



41.9929, 0.2946, 0.5779



41.9929, 0.1106, 0.1999



41.9929, 0.2812, 0.1766



41.9929, 0.5637, 0.3751

Rectangle

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



41.9929, 0.2946, 0.5779



41.9929, 0.1434, 0.3532



41.9929, 0.2812, 0.1766



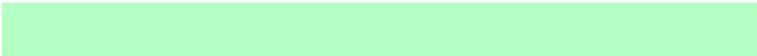
41.9929, 0.5045, 0.2737

Sweetspot

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



41.9946, 0.2946, 0.5779



85.2856, 0.3014, 0.3975



49.8308, 0.3875, 0.5288



17.9009, 0.2998, 0.4094



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.



41.9946, 0.2946, 0.5779



71.7315, 0.2957, 0.5845



43.6973, 0.2540, 0.4325



11.9198, 0.3091, 0.3483



26.3622, 0.2947, 0.5808



1.2583, 0.2842, 0.5431

Inverse Universe

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



15.2640, 0.3729, 0.1841



25.7762, 0.3760, 0.1845



12.9817, 0.5619, 0.2894



10.7812, 0.3166, 0.3104



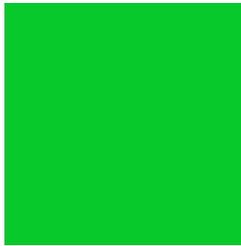
9.4908, 0.3743, 0.1835



0.4585, 0.3612, 0.1764

Previews

White Background



This preview shows how the Yxy color 41.9929, 0.2946, 0.5779 looks on a white background.

Color Contrast Check

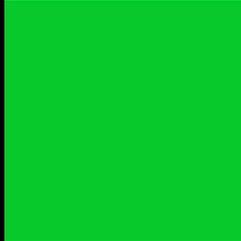
Large Text (above 18pt) WCAG AA × Fail

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 41.9929, 0.2946, 0.5779 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 41.9929, 0.2946, 0.5779

Background



This preview shows how black text looks on a background with the Yxy color 41.9929, 0.2946, 0.5779.



This preview shows how white text looks on a background with the Yxy color 41.9929, 0.2946, 0.5779.

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

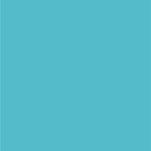
41.9929, 0.2946, 0.5779

Protanopia

40.9699, 0.4327, 0.4783

Deuteranopia

40.9677, 0.4515, 0.4411



Tritanopia

41.6439, 0.2355, 0.3065

Trichromacy



Original Color

41.9929, 0.2946, 0.5779



Protanomaly

38.3734, 0.3572, 0.5322



Deuteranomaly

37.1996, 0.3679, 0.5063



Tritanomaly

40.5251, 0.2576, 0.4100

Monochromacy



Original Color

41.9929, 0.2946, 0.5779



Achromatopsia

20.5079, 0.3127, 0.3290



Achromatomaly

25.4025, 0.2962, 0.4443

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.9929, 0.2946, 0.5779 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(7, 201, 43)` looks like.

```
.text, #text, p{  
    color:rgb(7, 201, 43)  
}
```

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(7, 201, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(7, 201, 43) }
```

Border

The CSS property to change the border of an element to Yxy 41.9929, 0.2946, 0.5779 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(7, 201, 43) }
```

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

```
.border{ border-color:rgb(7, 201, 43) }
```

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

Here you see how a box with a 4 pixel `rgb(7, 201, 43)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(7, 201, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(7, 201, 43);  
box-shadow:4px 4px 4px 4px rgb(7, 201, 43)  
}
```

Background

The CSS property to change the background color of an element to Yxy 41.9929, 0.2946, 0.5779 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(7, 201, 43) }
```

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

```
.background{ background-color: rgb(7, 201,  
43) }
```

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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