

Converting Colors

$Y_{xy}(42.9488, 0.2972, 0.5856)$

Have a look what the booklet for
Yxy(42.9488, 0.2972, 0.5856)
contains.

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Color

Yxy(42.8928, 0.2973, 0.5857)

Conversions

Conversions Part 1

Format	Color
Hex	0BCB21
RGB	11, 203, 33
RGB Percent	4%, 80%, 13%
CMY	0.9552, 0.2039, 0.8707
CMYK	0.94, 0.00, 0.84, 0.20
HSL	127°, 89%, 42%
HSV	127°, 94%, 80%
XYZ	21.7723, 42.8928, 8.5683
YIQ	126.2120, -59.8620, -93.5740

Conversions

Conversions Part 2

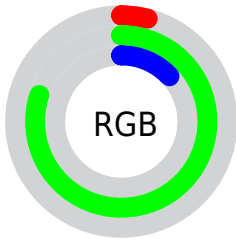
Format	Color
RYB	11, 183, 203
Decimal	772897
CIELab	71.48, -71.15, 65.13
CIELCh	71, 96.453, 137.530
Yxy	42.8928, 0.2973, 0.5857
Android (android.graphics.Color)	4278962977 (0xFF0BCB21)
YUV	126.2120, -45.9535, -101.0409
Hunter-Lab	65.4926, -55.2717, 38.0880

Details

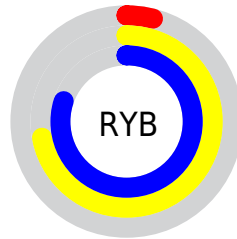
The Yxy color **42.8928, 0.2973, 0.5857** is a dark color, and the websafe version is hex **00CC33**. The color can be described as dark washed green. A complement of this color would be **16.2995, 0.3496, 0.1720**, and the grayscale version is **21.1591, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.3923, 0.3080, 0.5311**, and **20.8674, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **42.7721, 0.2979, 0.5924**, and if you desaturate by 10%, it is **43.2524, 0.2962, 0.5685**.

Distribution



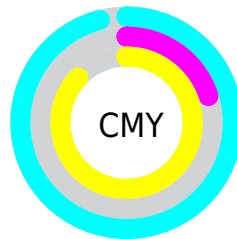
- Red (4%)
- Green (80%)
- Blue (13%)



- Red (4%)
- Yellow (72%)
- Blue (80%)



- Cyan (94%)
- Magenta (0%)
- Yellow (84%)
- Black (20%)





- Cyan (96%)
- Magenta (20%)
- Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.8928, 0.2973, 0.5857 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 42.8928, 0.2973, 0.5857 by changing the saturation by 10% instead.

 42.8928, 0.2973,
0.5857


 42.8928, 0.2973,
0.5857


358.1707, 0.3166,
0.4464


 29.8010, 0.2878,
0.6212


 79.5491, 0.3077,
0.5338


 19.6876, 0.2727,
0.6655


 103.8823, 0.3105,
0.5145


 12.1682, 0.2493,
0.7241


 132.7316, 0.3125,
0.4984

 6.8583, 0.2088,
0.7912

 166.4811, 0.3139,
0.4847

 3.3736, 0.1344,
0.8656

 205.5154, 0.3149,
0.4731

 1.3298, 0.0000,
1.0000

 250.2189, 0.3157,

 0.1641, 0.0000,

0.4629

1.0000

300.9758, 0.3162,
0.4541

0.0000, 0.0000,
0.0000

42.8928, 0.2973,
0.5857

42.8928, 0.2973,
0.5857

42.7721, 0.2979,
0.5924

43.2524, 0.2962,
0.5685

43.8712, 0.2960,
0.5446

44.7894, 0.2967,
0.5156

46.0390, 0.2982,
0.4837

47.6477, 0.3003,
0.4509

■ 49.6405, 0.3029,
0.4191

■ 52.0400, 0.3057,
0.3894

■ 54.8671, 0.3086,
0.3625

■ 58.1413, 0.3115,
0.3385

Harmonies

Analogous

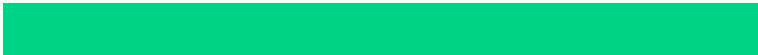
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



42.8928, 0.4124, 0.5519



42.8928, 0.2973, 0.5857



42.8928, 0.1913, 0.4765

Triad

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



42.8928, 0.2973, 0.5857



42.8928, 0.1239, 0.1546



42.8928, 0.5377, 0.2939

Complementary

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



42.8928, 0.2973, 0.5857



16.2995, 0.3496, 0.1720

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.



42.8928, 0.4160, 0.2242



42.8928, 0.2973, 0.5857



42.8928, 0.1765, 0.1486

Square

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



42.8928, 0.2973, 0.5857



42.8928, 0.1074, 0.1996



42.8928, 0.2756, 0.1726



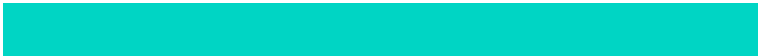
42.8928, 0.5691, 0.3713

Rectangle

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



42.8928, 0.2973, 0.5857



42.8928, 0.1421, 0.3595



42.8928, 0.2756, 0.1726



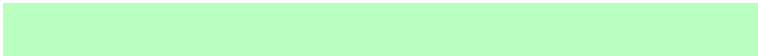
42.8928, 0.5047, 0.2696

Sweetspot

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



42.8946, 0.2973, 0.5857



85.4506, 0.3046, 0.4010



52.9066, 0.4017, 0.5165



17.9217, 0.3034, 0.4141



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.



42.8946, 0.2973, 0.5857



71.6072, 0.2982, 0.5935



44.3007, 0.2616, 0.4583



12.5572, 0.3101, 0.3502



27.2275, 0.2975, 0.5910



1.4117, 0.2905, 0.5660

Inverse Universe

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



16.2995, 0.3496, 0.1720



26.7677, 0.3521, 0.1714



13.6507, 0.5235, 0.2695



11.3812, 0.3155, 0.3087



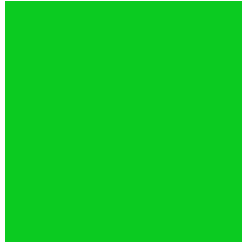
10.1896, 0.3512, 0.1708



0.5320, 0.3445, 0.1672

Previews

White Background



This preview shows how the Yxy color 42.8928, 0.2973, 0.5857 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 42.8928, 0.2973, 0.5857 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

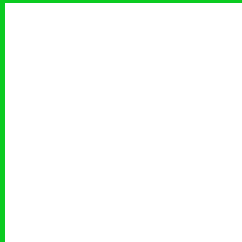
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 42.8928, 0.2973, 0.5857

Background



This preview shows how black text looks on a background with the Yxy color 42.8928, 0.2973, 0.5857.



This preview shows how white text looks on a background with the Yxy color 42.8928, 0.2973, 0.5857.

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

42.8928, 0.2973, 0.5857

Protanopia

42.0781, 0.4367, 0.4826

Deuteranopia

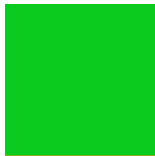
41.9283, 0.4547, 0.4461



Tritanopia

42.6861, 0.2360, 0.3067

Trichromacy



Original Color

42.8928, 0.2973, 0.5857



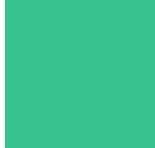
Protanomaly

39.4489, 0.3627, 0.5377



Deuteranomaly

38.1882, 0.3730, 0.5129



Tritanomaly

41.4361, 0.2603, 0.4161

Monochromacy



Original Color

42.8928, 0.2973, 0.5857



Achromatopsia

20.8637, 0.3127, 0.3290



Achromatomaly

25.7687, 0.3002, 0.4512

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.8928, 0.2973, 0.5857 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(11, 203, 33)` looks like.

```
.text, #text, p{  
    color:rgb(11, 203, 33)  
}
```

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(11, 203, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(11, 203, 33) }
```

Border

The CSS property to change the border of an element to Yxy 42.8928, 0.2973, 0.5857 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(11, 203, 33) }
```

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

```
.border{ border-color:rgb(11, 203, 33) }
```

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

Here you see how a box with a 4 pixel `rgb(11, 203, 33)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(11, 203, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(11, 203, 33);  
box-shadow:4px 4px 4px 4px rgb(11, 203,  
33) }
```


Background

The CSS property to change the background color of an element to Yxy 42.8928, 0.2973, 0.5857 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(11, 203, 33) }
```

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

```
.background{ background-color: rgb(11, 203,  
33) }
```

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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