

Converting Colors

$Y_{xy}(42.9299, 0.2966, 0.5825)$

Have a look what the booklet for
Yxy(42.9299, 0.2966, 0.5825)
contains.

Yxy(42.9310, 0.2967, 0.5827)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(42.9310, 0.2967, 0.5827)

Conversions

Conversions Part 1

Format	Color
Hex	0DCB25
RGB	13, 203, 37
RGB Percent	5%, 80%, 15%
CMY	0.9477, 0.2039, 0.8548
CMYK	0.93, 0.00, 0.82, 0.20
HSL	127°, 88%, 42%
HSV	127°, 93%, 80%
XYZ	21.8597, 42.9310, 8.8853
YIQ	127.2660, -59.9540, -91.9060

Conversions

Conversions Part 2

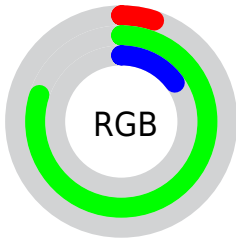
Format	Color
RYB	13, 182, 203
Decimal	903973
CIELab	71.51, -70.85, 64.13
CIELCh	72, 95.560, 137.851
Yxy	42.9310, 0.2967, 0.5827
Android (android.graphics.Color)	4279094053 (0xFF0DCB25)
YUV	127.2660, -44.5011, -100.2113
Hunter-Lab	65.5218, -55.1111, 37.8250

Details

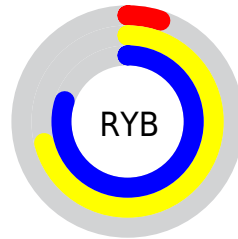
The Yxy color **42.9310, 0.2967, 0.5827** is a dark color, and the websafe version is hex **00CC33**. The color can be described as dark washed green. A complement of this color would be **16.2605, 0.3526, 0.1740**, and the grayscale version is **21.5285, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.5089, 0.3074, 0.5278**, and **20.8674, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **42.7826, 0.2975, 0.5911**, and if you desaturate by 10%, it is **43.3187, 0.2956, 0.5643**.

Distribution



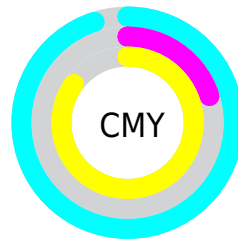
- Red (5%)
- Green (80%)
- Blue (15%)



- Red (5%)
- Yellow (71%)
- Blue (80%)



- Cyan (93%)
- Magenta (0%)
- Yellow (82%)
- Black (20%)





- Cyan (95%)
- Magenta (20%)
- Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.9310, 0.2967, 0.5827 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 42.9310, 0.2967, 0.5827 by changing the saturation by 10% instead.


 42.9310, 0.2967,
0.5827

 42.9310, 0.2967,
0.5827


358.3279, 0.3159,
0.4449

 29.8310, 0.2873,
0.6180


 79.6067, 0.3069,
0.5312


 19.7103, 0.2725,
0.6622


 103.9512, 0.3098,
0.5122


 12.1847, 0.2493,
0.7200


 132.8127, 0.3118,
0.4962

 6.8696, 0.2100,
0.7900

 166.5755, 0.3132,
0.4827

 3.3807, 0.1363,
0.8637

 205.6240, 0.3142,
0.4712

 1.3335, 0.0000,
1.0000

 250.3426, 0.3150,

 0.1670, 0.0000,

0.4612

1.0000

301.1158, 0.3155,
0.4525

■ 0.0000, 0.0000,
0.0000

■ 42.9310, 0.2967,
0.5827

■ 42.9310, 0.2967,
0.5827

■ 42.7826, 0.2975,
0.5911

■ 43.3187, 0.2956,
0.5643

■ 43.9686, 0.2953,
0.5397

■ 44.9198, 0.2960,
0.5104

■ 46.2035, 0.2976,
0.4785

■ 47.8471, 0.2999,
0.4462

■ 49.8749, 0.3026,
0.4150

■ 52.3093, 0.3056,
0.3859

■ 55.1708, 0.3087,
0.3597

■ 58.4785, 0.3117,
0.3363

Harmonies

Analogous

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



42.9310, 0.4111, 0.5513



42.9310, 0.2967, 0.5827



42.9310, 0.1915, 0.4731

Triad

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



42.9310, 0.2967, 0.5827



42.9310, 0.1254, 0.1556



42.9310, 0.5365, 0.2952

Complementary

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



42.9310, 0.2967, 0.5827



16.2605, 0.3526, 0.1740

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.



42.9310, 0.4166, 0.2257



42.9310, 0.2967, 0.5827



42.9310, 0.1783, 0.1498

Square

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



42.9310, 0.2967, 0.5827



42.9310, 0.1087, 0.2000



42.9310, 0.2773, 0.1741



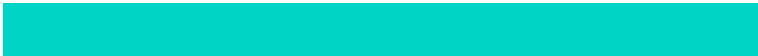
42.9310, 0.5670, 0.3725

Rectangle

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



42.9310, 0.2967, 0.5827



42.9310, 0.1429, 0.3577



42.9310, 0.2773, 0.1741



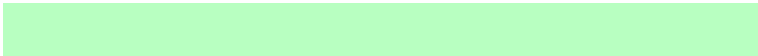
42.9310, 0.5042, 0.2710

Sweetspot

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



42.9328, 0.2967, 0.5827



85.4896, 0.3041, 0.4000



52.5491, 0.3989, 0.5182



17.9307, 0.3028, 0.4129



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.



42.9328, 0.2967, 0.5827



71.6234, 0.2979, 0.5923



44.4188, 0.2598, 0.4512



12.5594, 0.3099, 0.3499



27.2346, 0.2971, 0.5897



1.4127, 0.2896, 0.5625

Inverse Universe

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



16.2605, 0.3526, 0.1740



26.5966, 0.3559, 0.1734



13.6654, 0.5273, 0.2723



11.3787, 0.3156, 0.3090



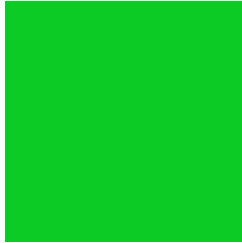
10.1261, 0.3548, 0.1728



0.5293, 0.3473, 0.1687

Previews

White Background



This preview shows how the Yxy color 42.9310, 0.2967, 0.5827 looks on a white background.

Color Contrast Check

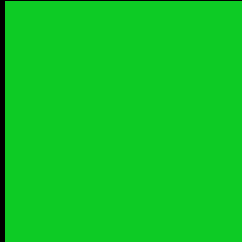
Large Text (above 18pt) WCAG AA × Fail

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 42.9310, 0.2967, 0.5827 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 42.9310, 0.2967, 0.5827

Background



This preview shows how black text looks on a background with the Yxy color 42.9310, 0.2967, 0.5827.



This preview shows how white text looks on a background with the Yxy color 42.9310, 0.2967, 0.5827.

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

42.9310, 0.2967, 0.5827

Protanopia

42.0966, 0.4357, 0.4811

Deuteranopia

41.9475, 0.4536, 0.4448



Tritanopia

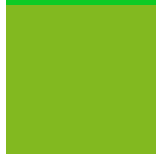
42.6861, 0.2360, 0.3067

Trichromacy



Original Color

42.9310, 0.2967, 0.5827



Protanomaly

39.5480, 0.3626, 0.5348



Deuteranomaly

38.3016, 0.3727, 0.5098



Tritanomaly

41.4965, 0.2601, 0.4142

Monochromacy



Original Color

42.9310, 0.2967, 0.5827



Achromatopsia

21.2231, 0.3127, 0.3290



Achromatomaly

26.2293, 0.3003, 0.4481

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.9310, 0.2967, 0.5827 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(13, 203, 37)` looks like.

```
.text, #text, p{  
    color:rgb(13, 203, 37)  
}
```

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(13, 203, 37) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(13, 203, 37) }
```

Border

The CSS property to change the border of an element to Yxy 42.9310, 0.2967, 0.5827 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(13, 203, 37) }
```

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

```
.border{ border-color:rgb(13, 203, 37) }
```

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

Here you see how a box with a 4 pixel rgb(13, 203, 37) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(13, 203, 37); -webkit-box-  
shadow:4px 4px 4px 4px rgb(13, 203, 37);  
box-shadow:4px 4px 4px 4px rgb(13, 203,  
37) }
```


Background

The CSS property to change the background color of an element to Yxy 42.9310, 0.2967, 0.5827 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(13, 203, 37) }
```

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

```
.background{ background-color: rgb(13, 203,  
37) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor