

Converting Colors

$Y_{xy}(42.2428, 0.3049, 0.5929)$

Have a look what the booklet for
Yxy(42.2428, 0.3049, 0.5929)
contains.

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Color

Yxy(42.1885, 0.3049, 0.5927)

Conversions

Conversions Part 1

Format	Color
Hex	25C90A
RGB	37, 201, 10
RGB Percent	15%, 79%, 4%
CMY	0.8552, 0.2117, 0.9604
CMYK	0.82, 0.00, 0.95, 0.21
HSL	112°, 90%, 41%
HSV	112°, 95%, 79%
XYZ	21.7028, 42.1885, 7.2889
YIQ	130.1900, -36.4330, -94.1690

Conversions

Conversions Part 2

Format	Color
RYB	10, 201, 174
Decimal	2476298
CIELab	71.00, -69.40, 68.79
CIELCh	71, 97.716, 135.250
Yxy	42.1885, 0.3049, 0.5927
Android (android.graphics.Color)	4280666378 (0xFF25C90A)
YUV	130.1900, -59.2537, -81.7276
Hunter-Lab	64.9527, -54.0244, 38.8135

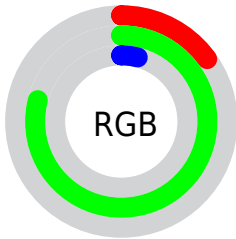
Details

The Yxy color **42.1885, 0.3049, 0.5927** is a dark color, and the websafe version is hex **33CC00**.

The color can be described as dark washed green. A complement of this color would be **13.4563, 0.2873, 0.1373**, and the grayscale version is **22.6155, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.8049, 0.3153, 0.5380**, and **20.2508, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **42.0264, 0.3037, 0.5971**, and if you desaturate by 10%, it is **42.6609, 0.3078, 0.5796**.

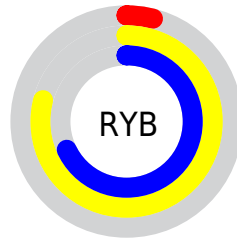
Distribution



Red (15%)

Green (79%)

Blue (4%)



Red (4%)

Yellow (79%)

Blue (68%)

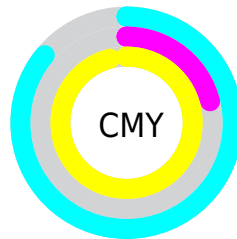


Cyan (82%)

Magenta (0%)

Yellow (95%)

Black (21%)



Cyan (86%)


Magenta (21%)


Yellow (96%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.1885, 0.3049, 0.5927 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 42.1885, 0.3049, 0.5927 by changing the saturation by 10% instead.

 42.1885, 0.3049,
0.5927


 42.1885, 0.3049,
0.5927


355.2637, 0.3216,
0.4505

 29.2489, 0.2954,
0.6281


 78.4848, 0.3148,
0.5402


 19.2692, 0.2799,
0.6717


 102.6104, 0.3173,
0.5205

 11.8650, 0.2578,
0.7340


 131.2334, 0.3190,
0.5040

 6.6518, 0.2127,
0.7873

 164.7382, 0.3201,
0.4900

 3.2453, 0.1371,
0.8629

 203.5092, 0.3208,
0.4780

 1.2611, 0.0000,
1.0000

 247.9309, 0.3212,

 0.1108, 0.0000,

0.4675

1.0000

298.3876, 0.3215,
0.4585

■ 0.0000, 0.0000,
0.0000

■ 42.1885, 0.3049,
0.5927

■ 42.1885, 0.3049,
0.5927

■ 42.0264, 0.3037,
0.5971

■ 42.6609, 0.3078,
0.5796

■ 43.3669, 0.3105,
0.5587

■ 44.3353, 0.3127,
0.5311

■ 45.5892, 0.3142,
0.4990

■ 47.1490, 0.3149,
0.4648

■ 49.0334, 0.3151,
0.4307

■ 51.2594, 0.3148,
0.3981

■ 53.8430, 0.3141,
0.3682

■ 56.7989, 0.3132,
0.3412

Harmonies

Analogous

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



42.1885, 0.4211, 0.5483



42.1885, 0.3049, 0.5927



42.1885, 0.1960, 0.4927

Triad

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



42.1885, 0.3049, 0.5927



42.1885, 0.1192, 0.1541



42.1885, 0.5349, 0.2872

Complementary

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



42.1885, 0.3049, 0.5927



13.4563, 0.2873, 0.1373

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.



42.1885, 0.4063, 0.2178



42.1885, 0.3049, 0.5927



42.1885, 0.1690, 0.1457

Square

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



42.1885, 0.3049, 0.5927



42.1885, 0.1051, 0.2031



42.1885, 0.2654, 0.1678



42.1885, 0.5740, 0.3644

Rectangle

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



42.1885, 0.3049, 0.5927



42.1885, 0.1439, 0.3729



42.1885, 0.2654, 0.1678



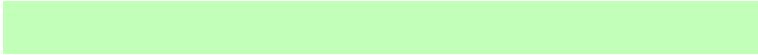
42.1885, 0.4991, 0.2629

Sweetspot

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



42.1903, 0.3049, 0.5927



86.3847, 0.3150, 0.4090



42.0869, 0.4458, 0.4815



18.1364, 0.3151, 0.4233



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.



42.1903, 0.3049, 0.5927



71.8920, 0.3032, 0.5975



42.3760, 0.2839, 0.5382



11.9582, 0.3137, 0.3527



26.4468, 0.3042, 0.5967



1.2760, 0.3154, 0.5878

Inverse Universe

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



13.4563, 0.2873, 0.1373



22.3063, 0.2850, 0.1343



14.3643, 0.4270, 0.2151



10.7382, 0.3116, 0.3061



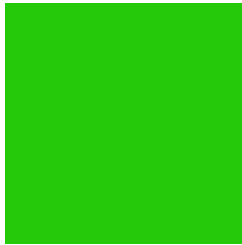
8.2503, 0.2860, 0.1349



0.4120, 0.2937, 0.1392

Previews

White Background



This preview shows how the Yxy color 42.1885, 0.3049, 0.5927 looks on a white background.

Color Contrast Check

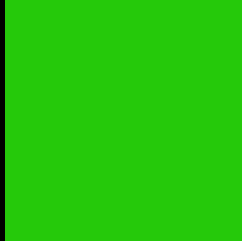
Large Text (above 18pt) WCAG AA × Fail

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 42.1885, 0.3049, 0.5927 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

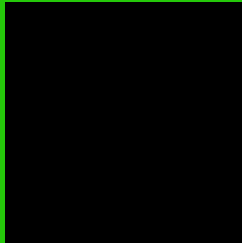
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.1885, 0.3049, 0.5927

Background



This preview shows how black text looks on a background with the Yxy color 42.1885, 0.3049, 0.5927.



This preview shows how white text looks on a background with the Yxy color 42.1885, 0.3049, 0.5927.

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

42.1885, 0.3049, 0.5927

Protanopia

41.3565, 0.4398, 0.4890

Deuteranopia

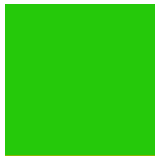
40.9752, 0.4605, 0.4506



Tritanopia

41.9786, 0.2385, 0.3067

Trichromacy



Original Color

42.1885, 0.3049, 0.5927



Protanomaly

39.1941, 0.3751, 0.5391



Deuteranomaly

38.1279, 0.3880, 0.5147



Tritanomaly

40.7048, 0.2706, 0.4300

Monochromacy



Original Color

42.1885, 0.3049, 0.5927



Achromatopsia

22.3228, 0.3127, 0.3290



Achromatomaly

26.9356, 0.3151, 0.4615

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.1885, 0.3049, 0.5927 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(37, 201, 10)` looks like.

```
.text, #text, p{  
    color:rgb(37, 201, 10)  
}
```

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(37, 201, 10) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(37, 201, 10) }
```

Border

The CSS property to change the border of an element to Yxy 42.1885, 0.3049, 0.5927 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(37, 201, 10) }
```

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

```
.border{ border-color:rgb(37, 201, 10) }
```

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

Here you see how a box with a 4 pixel `rgb(37, 201, 10)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(37, 201, 10); -webkit-box-  
shadow:4px 4px 4px 4px rgb(37, 201, 10);  
box-shadow:4px 4px 4px 4px rgb(37, 201,  
10) }
```


Background

The CSS property to change the background color of an element to Yxy 42.1885, 0.3049, 0.5927 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(37, 201, 10) }
```

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

```
.background{ background-color: rgb(37, 201,  
10) }
```

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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