

Converting Colors

$Y_{xy}(42.8282, 0.3002, 0.5562)$

Have a look what the booklet for
Yxy(42.8282, 0.3002, 0.5562)
contains.

Yxy(42.8357, 0.3002, 0.5563)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(42.8357, 0.3002, 0.5563)

Conversions

Conversions Part 1

Format	Color
Hex	35C93A
RGB	53, 201, 58
RGB Percent	21%, 79%, 23%
CMY	0.7924, 0.2117, 0.7726
CMYK	0.74, 0.00, 0.71, 0.21
HSL	122°, 58%, 50%
HSV	122°, 74%, 79%
XYZ	23.1157, 42.8357, 11.0497
YIQ	140.4460, -42.3050, -75.8490

Conversions

Conversions Part 2

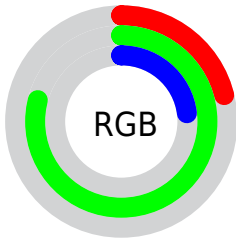
Format	Color
RYB	53, 196, 201
Decimal	3524922
CIELab	71.44, -64.81, 57.48
CIELCh	71, 86.626, 138.433
Yxy	42.8357, 0.3002, 0.5563
Android (android.graphics.Color)	4281715002 (0xFF35C93A)
YUV	140.4460, -40.6459, -76.6901
Hunter-Lab	65.4490, -51.4919, 35.8044

Details

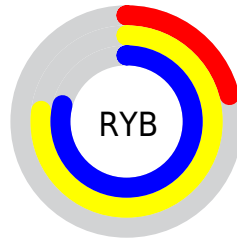
The Yxy color **42.8357, 0.3002, 0.5563** is a dark color, and the websafe version is hex **33CC33**. The color can be described as dark muted green. A complement of this color would be **18.9432, 0.3262, 0.1750**, and the grayscale version is **26.5756, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.8498, 0.3085, 0.5069**, and **20.2508, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **42.2412, 0.2996, 0.5787**, and if you desaturate by 10%, it is **43.7364, 0.3013, 0.5273**.

Distribution



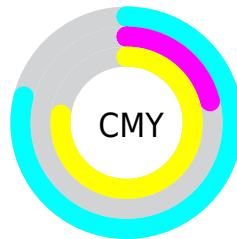
- Red (21%)
- Green (79%)
- Blue (23%)



- Red (21%)
- Yellow (77%)
- Blue (79%)



- Cyan (74%)
- Magenta (0%)
- Yellow (71%)
- Black (21%)




- Cyan (79%)
- Magenta (21%)
- Yellow (77%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.8357, 0.3002, 0.5563 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 42.8357, 0.3002, 0.5563 by changing the saturation by 10% instead.


 42.8357, 0.3002,
0.5563

 42.8357, 0.3002,
0.5563


357.9357, 0.3152,
0.4325


 29.7562, 0.2928,
0.5887


 79.4629, 0.3082,
0.5097

 19.6536, 0.2810,
0.6302


 103.7793, 0.3104,
0.4926


 12.1435, 0.2614,
0.6836


 132.6103, 0.3120,
0.4783

 6.8415, 0.2325,
0.7675

 166.3401, 0.3131,
0.4663

 3.3632, 0.1670,
0.8330

 205.3531, 0.3139,
0.4560

 1.3241, 0.0000,
1.0000

250.0338, 0.3145,

 0.1598, 0.0000,

0.4471

1.0000

300.7665, 0.3149,
0.4393

■ 0.0000, 0.0000,
0.0000

■ 42.8357, 0.3002,
0.5563

■ 42.8357, 0.3002,
0.5563

■ 42.2412, 0.2996,
0.5787

■ 43.7364, 0.3013,
0.5273

■ 41.9081, 0.2995,
0.5930

■ 44.9711, 0.3028,
0.4940

■ 41.7919, 0.2995,
0.5981

■ 46.5700, 0.3046,
0.4592

■ 48.5590, 0.3066,
0.4249

■ 50.9611, 0.3085,
0.3927

■ 53.7981, 0.3104,
0.3635

■ 57.0897, 0.3121,
0.3377

■ 60.8548, 0.3137,
0.3150

■ 65.1111, 0.3151,
0.2955

Harmonies

Analogous

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



42.8357, 0.4074, 0.5375



42.8357, 0.3002, 0.5563



42.8357, 0.2013, 0.4553

Triad

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



42.8357, 0.3002, 0.5563



42.8357, 0.1379, 0.1672



42.8357, 0.5182, 0.3017

Complementary

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



42.8357, 0.3002, 0.5563



18.9432, 0.3262, 0.1750

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.



42.8357, 0.4105, 0.2348



42.8357, 0.3002, 0.5563



42.8357, 0.1895, 0.1616

Square

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



42.8357, 0.3002, 0.5563



42.8357, 0.1215, 0.2100



42.8357, 0.2834, 0.1852



42.8357, 0.5477, 0.3764

Rectangle

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



42.8357, 0.3002, 0.5563



42.8357, 0.1551, 0.3538



42.8357, 0.2834, 0.1852



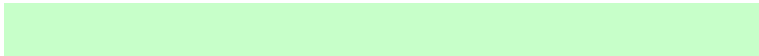
42.8357, 0.4890, 0.2783

Sweetspot

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



42.8375, 0.3002, 0.5563



87.8566, 0.3088, 0.3886



53.7789, 0.4047, 0.4911



18.5414, 0.3082, 0.3971



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.



42.8375, 0.3002, 0.5563



71.9466, 0.2995, 0.5877



44.1956, 0.2661, 0.4436



11.8936, 0.3111, 0.3520



26.2776, 0.2993, 0.5975



1.2463, 0.2969, 0.5887

Inverse Universe

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



18.9432, 0.3262, 0.1750



28.9568, 0.3284, 0.1624



16.3654, 0.4422, 0.2506



10.8101, 0.3143, 0.3070



10.2640, 0.3295, 0.1589



0.4880, 0.3276, 0.1578

Previews

White Background



This preview shows how the Yxy color 42.8357, 0.3002, 0.5563 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 42.8357, 0.3002, 0.5563 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

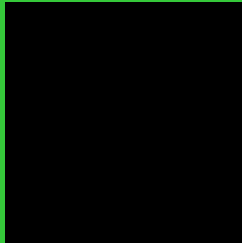
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.8357, 0.3002, 0.5563

Background



This preview shows how black text looks on a background with the Yxy color 42.8357, 0.3002, 0.5563.



This preview shows how white text looks on a background with the Yxy color 42.8357, 0.3002, 0.5563.

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

42.8357, 0.3002, 0.5563

Protanopia

41.9805, 0.4258, 0.4707

Deuteranopia

41.9641, 0.4439, 0.4341



Tritanopia

42.7111, 0.2406, 0.3069

Trichromacy



Original Color

42.8357, 0.3002, 0.5563



Protanomaly

40.3870, 0.3675, 0.5095



Deuteranomaly

39.4022, 0.3787, 0.4844



Tritanomaly

42.0474, 0.2645, 0.3988

Monochromacy



Original Color

42.8357, 0.3002, 0.5563



Achromatopsia

26.2251, 0.3127, 0.3290



Achromatomaly

30.1546, 0.3066, 0.4218

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.8357, 0.3002, 0.5563 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(53, 201, 58)` looks like.

```
.text, #text, p{  
    color:rgb(53, 201, 58)  
}
```

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(53, 201, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(53, 201, 58) }
```

Border

The CSS property to change the border of an element to Yxy 42.8357, 0.3002, 0.5563 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(53, 201, 58) }
```

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

```
.border{ border-color:rgb(53, 201, 58) }
```

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

Here you see how a box with a 4 pixel rgb(53, 201, 58) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(53, 201, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(53, 201, 58);  
box-shadow:4px 4px 4px 4px rgb(53, 201,  
58) }
```


Background

The CSS property to change the background color of an element to Yxy 42.8357, 0.3002, 0.5563 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(53, 201, 58) }
```

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

```
.background{ background-color: rgb(53, 201,  
58) }
```

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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