

Converting Colors

$Y_{xy}(33.8132, 0.3919, 0.5129)$

Have a look what the booklet for
Yxy(33.8132, 0.3919, 0.5129)
contains.

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Color

Yxy(33.8323, 0.3923, 0.5128)

Conversions

Conversions Part 1

Format	Color
Hex	92A71C
RGB	146, 167, 28
RGB Percent	57%, 65%, 11%
CMY	0.4274, 0.3451, 0.8904
CMYK	0.13, 0.00, 0.83, 0.35
HSL	69°, 71%, 38%
HSV	69°, 83%, 65%
XYZ	25.8822, 33.8323, 6.2611
YIQ	144.8750, 32.1030, -47.6810

Conversions

Conversions Part 2

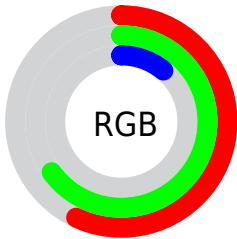
Format	Color
R _Y B	28, 167, 49
Decimal	9611036
CIE Lab	64.83, -24.32, 62.17
CIE LCh	65, 66.752, 111.364
Yxy	33.8323, 0.3923, 0.5128
Android (android.graphics.Color)	4287801116 (0xFF92A71C)
YUV	144.8750, -57.6194, 0.9866
Hunter-Lab	58.1655, -22.3616, 34.3338

Details

The Yxy color **33.8323, 0.3923, 0.5128** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **4.2700, 0.1736, 0.0857**, and the grayscale version is **28.4894, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.6272, 0.3829, 0.4790**, and **14.4856, 0.3843, 0.5330** is the 20% darker color. If you saturate the color by 10%, you get **33.5464, 0.3933, 0.5217**, and if you desaturate by 10%, it is **34.1707, 0.3888, 0.4995**.

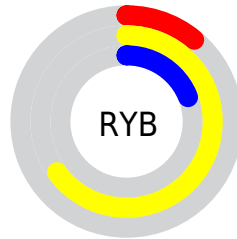
Distribution



Red (57%)

Green (65%)

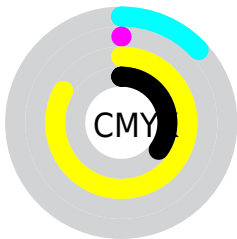
Blue (11%)



Red (11%)

Yellow (65%)

Blue (19%)

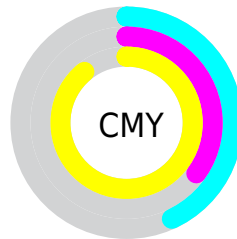


Cyan (13%)

Magenta (0%)

Yellow (83%)

Black (35%)



Cyan (43%)


Magenta (35%)

Yellow (89%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.8323, 0.3923, 0.5128 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 33.8323, 0.3923, 0.5128 by changing the saturation by 10% instead.


 33.8323, 0.3923,
0.5128


 33.8323, 0.3923,
0.5128


319.3836, 0.3590,
0.4177


 22.7648, 0.3963,
0.5348


 65.6728, 0.3829,
0.4788


 14.4199, 0.3980,
0.5607

 87.2146, 0.3785,
0.4658

 8.4133, 0.4004,
0.5996


 113.0166, 0.3744,
0.4547

 4.3605, 0.3783,
0.6217

 143.4632, 0.3707,
0.4451

 1.8772, 0.3414,
0.6586

 178.9388, 0.3673,
0.4368

 0.5346, 0.0000,
1.0000

 219.8278, 0.3642,

 0.0000, 0.0000,

0.4296

0.0000

266.5146, 0.3615,
0.4233

■ 33.8323, 0.3923,
0.5128

■ 33.8323, 0.3923,
0.5128

■ 33.5464, 0.3933,
0.5217

■ 34.1707, 0.3888,
0.4995

■ 33.3705, 0.3931,
0.5261

■ 34.5635, 0.3828,
0.4821

■ 35.0176, 0.3745,
0.4611

■ 35.5378, 0.3645,
0.4376

■ 36.1282, 0.3532,
0.4125

■ 36.7928, 0.3412,
0.3868

■ 37.5350, 0.3289,
0.3614

■ 38.3583, 0.3166,
0.3368

■ 39.2657, 0.3048,
0.3135

Harmonies

Analogous

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



33.8323, 0.4717, 0.4558



33.8323, 0.3923, 0.5128



33.8323, 0.2983, 0.5104

Triad

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



33.8323, 0.3923, 0.5128



33.8323, 0.1450, 0.2235



33.8323, 0.4059, 0.2538

Complementary

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



33.8323, 0.3923, 0.5128



4.2700, 0.1736, 0.0857

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.



33.8323, 0.2989, 0.2070



33.8323, 0.3923, 0.5128



33.8323, 0.1626, 0.1868

Square

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



33.8323, 0.3923, 0.5128



33.8323, 0.1602, 0.3038



33.8323, 0.2133, 0.1833



33.8323, 0.4910, 0.3157

Rectangle

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



33.8323, 0.3923, 0.5128



33.8323, 0.2388, 0.4582



33.8323, 0.2133, 0.1833



33.8323, 0.3700, 0.2360

Sweetspot

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



33.8338, 0.3923, 0.5128



65.6177, 0.3439, 0.3925



10.4801, 0.5760, 0.3502



14.5929, 0.3480, 0.4012



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



33.8338, 0.3923, 0.5128



59.6890, 0.3926, 0.5264



29.2846, 0.3268, 0.5611



8.7156, 0.3240, 0.3515



25.5509, 0.3934, 0.5259



0.6367, 0.4025, 0.5186

Inverse Universe

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



4.2700, 0.1736, 0.0857



5.3157, 0.1556, 0.0631



7.4933, 0.2500, 0.1257



7.3529, 0.3009, 0.3058



2.3094, 0.1572, 0.0640



0.0718, 0.1819, 0.0776

Previews

White Background



This preview shows how the Yxy color 33.8323, 0.3923, 0.5128 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 33.8323, 0.3923, 0.5128 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

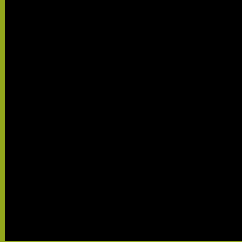
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.8323, 0.3923, 0.5128

Background



This preview shows how black text looks on a background with the Yxy color 33.8323, 0.3923, 0.5128.



This preview shows how white text looks on a background with the Yxy color 33.8323, 0.3923, 0.5128.

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

33.8323, 0.3923, 0.5128

Protanopia

33.5312, 0.4357, 0.4812

Deuteranopia

33.5117, 0.4599, 0.4514



Tritanopia

33.6408, 0.3049, 0.3100

Trichromacy



Original Color

33.8323, 0.3923, 0.5128

Protanomaly

33.6713, 0.4196, 0.4930

Deuteranomaly

33.3633, 0.4344, 0.4743

Tritanomaly

32.9507, 0.3463, 0.3944

Monochromacy



Original Color

33.8323, 0.3923, 0.5128

Achromatopsia

28.3149, 0.3127, 0.3290

Achromatomaly

29.7615, 0.3527, 0.4122

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.8323, 0.3923, 0.5128 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(146, 167, 28)` looks like.

```
.text, #text, p{  
    color:rgb(146, 167, 28)  
}
```

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(146, 167, 28) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 167, 28) }
```

Border

The CSS property to change the border of an element to Yxy 33.8323, 0.3923, 0.5128 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(146, 167, 28) }
```

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

```
.border{ border-color:rgb(146, 167, 28) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 167, 28)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 167, 28); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 167, 28);  
box-shadow:4px 4px 4px 4px rgb(146, 167,  
28) }
```


Background

The CSS property to change the background color of an element to Yxy 33.8323, 0.3923, 0.5128 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 167, 28) }
```

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

```
.background{ background-color: rgb(146,  
167, 28) }
```

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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