

Converting Colors

Yxy(41.4446, 0.3832, 0.5340)

Have a look what the booklet for
Yxy(41.4446, 0.3832, 0.5340)
contains.

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Color

Yxy(41.4137, 0.3836, 0.5336)

Conversions

Conversions Part 1

Format	Color
Hex	94BA00
RGB	148, 186, 0
RGB Percent	58%, 73%, 0%
CMY	0.4196, 0.2706, 0.9997
CMYK	0.20, 0.00, 1.00, 0.27
HSL	72°, 100%, 36%
HSV	72°, 100%, 73%
XYZ	29.7719, 41.4137, 6.4263
YIQ	153.4340, 37.0580, -65.9020

Conversions

Conversions Part 2

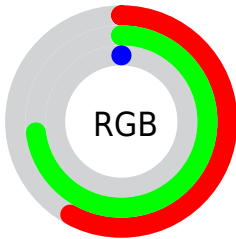
Format	Color
RYB	0, 186, 38
Decimal	9746944
CIELab	70.46, -33.13, 71.21
CIELCh	70, 78.536, 114.947
Yxy	41.4137, 0.3836, 0.5336
Android (android.graphics.Color)	4287937024 (0xFF94BA00)
YUV	153.4340, -75.6430, -4.7656
Hunter-Lab	64.3535, -30.0389, 39.1268

Details

The Yxy color **41.4137, 0.3836, 0.5336** is a dark color, and the websafe version is hex **99CC33**. A complement of this color would be **3.9608, 0.1602, 0.0656**, and the grayscale version is **32.3841, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.1906, 0.3781, 0.4980**, and **19.0504, 0.3673, 0.5466** is the 20% darker color. If you saturate the color by 10%, you get **41.4138, 0.3836, 0.5336**, and if you desaturate by 10%, it is **41.8217, 0.3849, 0.5263**.

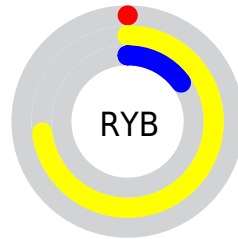
Distribution



Red (58%)

Green (73%)

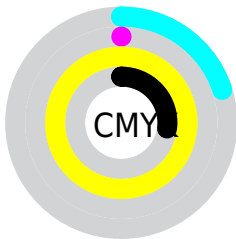
Blue (0%)



Red (0%)

Yellow (73%)

Blue (15%)

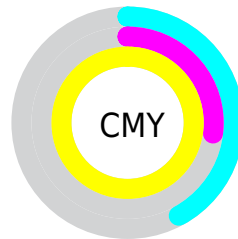


Cyan (20%)

Magenta (0%)

Yellow (100%)

Black (27%)



Cyan (42%)


Magenta (27%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.4137, 0.3836, 0.5336 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 41.4137, 0.3836, 0.5336 by changing the saturation by 10% instead.


 41.4137, 0.3836,
0.5336

 41.4137, 0.3836,
0.5336


352.0467, 0.3583,
0.4309


 28.6425, 0.3848,
0.5563


 77.3115, 0.3779,
0.4978


 18.8105, 0.3830,
0.5826


 101.2069, 0.3747,
0.4838

 11.5335, 0.3800,
0.6200


 129.5791, 0.3715,
0.4717

 6.4269, 0.3559,
0.6441

 162.8126, 0.3684,
0.4613

 3.1063, 0.3185,
0.6815

 201.2917, 0.3656,
0.4522

 1.1875, 0.1976,
0.8024

 245.4008, 0.3630,

 0.0515, 0.0000,

0.4442

1.0000

295.5243, 0.3606,
0.4371

■ 0.0000, 0.0000,
0.0000

■ 41.4137, 0.3836,
0.5336

■ 41.4137, 0.3836,
0.5336

■ 41.4138, 0.3836,
0.5336

■ 41.8217, 0.3849,
0.5263

■ 42.2833, 0.3841,
0.5151

■ 42.8164, 0.3808,
0.4994

■ 43.4290, 0.3751,
0.4796

■ 44.1279, 0.3672,
0.4567

■ 44.9192, 0.3576,
0.4316

■ 45.8083, 0.3469,
0.4054

■ 46.8001, 0.3356,
0.3791

■ 47.8992, 0.3240,
0.3534

Harmonies

Analogous

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



41.4137, 0.4735, 0.4714



41.4137, 0.3836, 0.5336



41.4137, 0.2823, 0.5241

Triad

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



41.4137, 0.3836, 0.5336



41.4137, 0.1334, 0.2067



41.4137, 0.4282, 0.2544

Complementary

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



41.4137, 0.3836, 0.5336



3.9608, 0.1602, 0.0656

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.



41.4137, 0.3102, 0.2025



41.4137, 0.3836, 0.5336



41.4137, 0.1560, 0.1737

Square

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



41.4137, 0.3836, 0.5336



41.4137, 0.1441, 0.2864



41.4137, 0.2138, 0.1742



41.4137, 0.5150, 0.3207

Rectangle

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



41.4137, 0.3836, 0.5336



41.4137, 0.2203, 0.4586



41.4137, 0.2138, 0.1742



41.4137, 0.3892, 0.2349

Sweetspot

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



41.4156, 0.3836, 0.5336



82.9345, 0.3475, 0.4068



11.7795, 0.6176, 0.3477



18.1092, 0.3521, 0.4180



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



41.4156, 0.3836, 0.5336



74.9554, 0.3830, 0.5341



35.9564, 0.3141, 0.5888



10.4082, 0.3233, 0.3518



27.8930, 0.3841, 0.5332



1.0071, 0.3937, 0.5256

Inverse Universe

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



3.9608, 0.1602, 0.0656



7.0918, 0.1591, 0.0650



8.3109, 0.2463, 0.1130



8.8055, 0.3015, 0.3056



2.6889, 0.1611, 0.0661



0.1211, 0.1863, 0.0800

Previews

White Background



This preview shows how the Yxy color 41.4137, 0.3836, 0.5336 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 41.4137, 0.3836, 0.5336 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

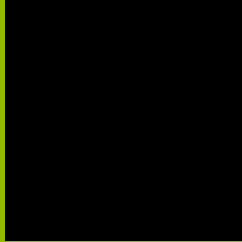
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 41.4137, 0.3836, 0.5336

Background



This preview shows how black text looks on a background with the Yxy color 41.4137, 0.3836, 0.5336.



This preview shows how white text looks on a background with the Yxy color 41.4137, 0.3836, 0.5336.

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

41.4137, 0.3836, 0.5336

Protanopia

40.9744, 0.4408, 0.4882

Deuteranopia

41.0559, 0.4655, 0.4552



Tritanopia

41.3675, 0.2938, 0.3098

Trichromacy



Original Color

41.4137, 0.3836, 0.5336

Protanomaly

40.7914, 0.4193, 0.5053

Deuteranomaly

40.3864, 0.4368, 0.4842

Tritanomaly

40.4418, 0.3428, 0.4157

Monochromacy



Original Color

41.4137, 0.3836, 0.5336

Achromatopsia

31.8547, 0.3127, 0.3290

Achromatomaly

34.3526, 0.3584, 0.4339

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.4137, 0.3836, 0.5336 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(148, 186, 0)` looks like.

```
.text, #text, p{  
    color:rgb(148, 186, 0)  
}
```

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(148, 186, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 186, 0) }
```

Border

The CSS property to change the border of an element to Yxy 41.4137, 0.3836, 0.5336 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(148, 186, 0) }
```

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

```
.border{ border-color:rgb(148, 186, 0) }
```

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

Here you see how a box with a 4 pixel rgb(148, 186, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 186, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 186, 0);  
box-shadow:4px 4px 4px 4px rgb(148, 186,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 41.4137, 0.3836, 0.5336 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 186, 0) }
```

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

```
.background{ background-color: rgb(148,  
186, 0) }
```

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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