

Converting Colors

$Y_{xy}(41.1002, 0.4335, 0.4940)$

Have a look what the booklet for
Yxy(41.1002, 0.4335, 0.4940)
contains.

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Color

Yxy(41.0909, 0.4340, 0.4936)

Conversions

Conversions Part 1

Format	Color
Hex	BDAE00
RGB	189, 174, 0
RGB Percent	74%, 68%, 0%
CMY	0.2587, 0.3177, 0.9999
CMYK	0.00, 0.08, 1.00, 0.26
HSL	55°, 100%, 37%
HSV	55°, 100%, 74%
XYZ	36.1294, 41.0909, 6.0271
YIQ	158.6490, 64.7940, -50.9340

Conversions

Conversions Part 2

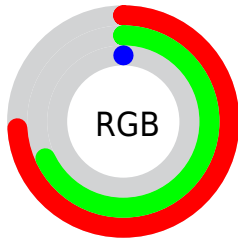
Format	Color
RYB	16, 189, 0
Decimal	12430848
CIELab	70.24, -9.53, 72.47
CIELCh	70, 73.090, 97.489
Yxy	41.0909, 0.4340, 0.4936
Android (android.graphics.Color)	4290620928 (0xFFBDAE00)
YUV	158.6490, -78.2140, 26.6178
Hunter-Lab	64.1022, -11.5724, 39.2969

Details

The Yxy color **41.0909, 0.4340, 0.4936** is a dark color, and the websafe version is hex **CCCC33**. A complement of this color would be **4.0193, 0.1514, 0.0650**, and the grayscale version is **34.8480, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.7284, 0.4185, 0.4690**, and **18.7444, 0.4315, 0.4956** is the 20% darker color. If you saturate the color by 10%, you get **41.0923, 0.4340, 0.4936**, and if you desaturate by 10%, it is **41.7242, 0.4299, 0.4909**.

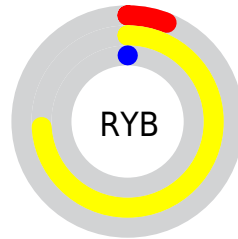
Distribution



Red (74%)

Green (68%)

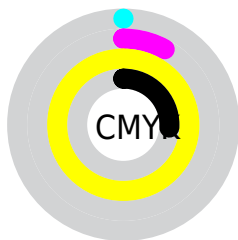
Blue (0%)



Red (6%)

Yellow (74%)

Blue (0%)

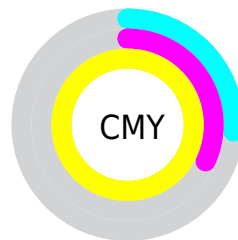


Cyan (0%)

Magenta (8%)

Yellow (100%)

Black (26%)



Cyan (26%)


Magenta (32%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.0909, 0.4340, 0.4936 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 41.0909, 0.4340, 0.4936 by changing the saturation by 10% instead.


 41.0909, 0.4340,
0.4936


 41.0909, 0.4340,
0.4936


350.7004, 0.3820,
0.4174


 28.3901, 0.4420,
0.5080


 76.8219, 0.4184,
0.4689

 18.6199, 0.4491,
0.5231


 100.6208, 0.4115,
0.4586

 11.3960, 0.4573,
0.5427


 128.8880, 0.4052,
0.4495

 6.3338, 0.4507,
0.5493

 162.0077, 0.3995,
0.4415

 3.0491, 0.4404,
0.5596

 200.3644, 0.3944,
0.4344

 1.1574, 0.4220,
0.5780

 244.3425, 0.3899,

 0.0265, 0.0000,

0.4281

1.0000

294.3264, 0.3857,
0.4224

■ 0.0000, 0.0000,
0.0000

■ 41.0909, 0.4340,
0.4936

■ 41.0909, 0.4340,
0.4936

■ 41.0923, 0.4340,
0.4936

■ 41.7242, 0.4299,
0.4909

■ 42.4074, 0.4235,
0.4845

■ 43.1590, 0.4144,
0.4738

■ 43.9873, 0.4029,
0.4590

■ 44.8993, 0.3894,
0.4408

■ 45.9012, 0.3746,
0.4200

■ 46.9985, 0.3589,
0.3975

■ 48.1963, 0.3431,
0.3744

■ 49.4994, 0.3276,
0.3514

Harmonies

Analogous

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



41.0909, 0.5010, 0.4239



41.0909, 0.4340, 0.4936



41.0909, 0.3421, 0.5276

Triad

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



41.0909, 0.4340, 0.4936



41.0909, 0.1443, 0.2526



41.0909, 0.3568, 0.2275

Complementary

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



41.0909, 0.4340, 0.4936



4.0193, 0.1514, 0.0650

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.



41.0909, 0.2537, 0.1902



41.0909, 0.4340, 0.4936



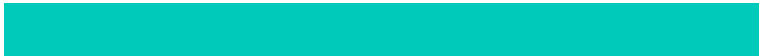
41.0909, 0.1474, 0.1961

Square

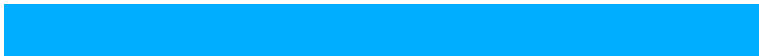
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



41.0909, 0.4340, 0.4936



41.0909, 0.1766, 0.3562



41.0909, 0.1828, 0.1783



41.0909, 0.4615, 0.2845

Rectangle

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



41.0909, 0.4340, 0.4936



41.0909, 0.2779, 0.5037



41.0909, 0.1828, 0.1783



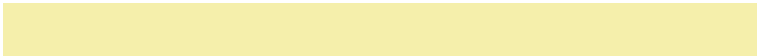
41.0909, 0.3200, 0.2125

Sweetspot

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



41.0929, 0.4340, 0.4936



84.0369, 0.3597, 0.3987



10.8607, 0.6311, 0.3250



17.8899, 0.3663, 0.4082



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.



41.0929, 0.4340, 0.4936



73.3975, 0.4342, 0.4934



39.7443, 0.3485, 0.5615



10.9870, 0.3266, 0.3499



27.6881, 0.4338, 0.4938



1.1235, 0.4300, 0.4968

Inverse Universe

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



4.0193, 0.1514, 0.0650



7.0627, 0.1511, 0.0639



5.3288, 0.1871, 0.0804



9.3441, 0.2984, 0.3072



2.7494, 0.1517, 0.0660



0.1497, 0.1578, 0.0880

Previews

White Background



This preview shows how the Yxy color 41.0909, 0.4340, 0.4936 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 41.0909, 0.4340, 0.4936 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 41.0909, 0.4340, 0.4936

Background



This preview shows how black text looks on a background with the Yxy color 41.0909, 0.4340, 0.4936.



This preview shows how white text looks on a background with the Yxy color 41.0909, 0.4340, 0.4936.

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

41.0909, 0.4340, 0.4936

Protanopia

40.9744, 0.4408, 0.4882

Deuteranopia

41.0080, 0.4683, 0.4587



Tritanopia

41.1760, 0.3382, 0.3138

Trichromacy



Original Color

41.0909, 0.4340, 0.4936

Protanomaly

41.0936, 0.4379, 0.4905

Deuteranomaly

40.9373, 0.4564, 0.4714

Tritanomaly

40.1559, 0.3921, 0.4010

Monochromacy



Original Color

41.0909, 0.4340, 0.4936

Achromatopsia

34.6704, 0.3127, 0.3290

Achromatomaly

36.0366, 0.3753, 0.4200

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.0909, 0.4340, 0.4936 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(189, 174, 0)` looks like.

```
.text, #text, p{  
    color:rgb(189, 174, 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(189, 174, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 174, 0) }
```

Border

The CSS property to change the border of an element to Yxy 41.0909, 0.4340, 0.4936 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(189, 174, 0) }
```

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

```
.border{ border-color:rgb(189, 174, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 174, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 174, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 174, 0);  
box-shadow:4px 4px 4px 4px rgb(189, 174,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 41.0909, 0.4340, 0.4936 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 174, 0) }
```

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

```
.background{ background-color: rgb(189,  
174, 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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