

Converting Colors

$Y_{xy}(41.0471, 0.4039, 0.5175)$

Have a look what the booklet for
Yxy(41.0471, 0.4039, 0.5175)
contains.

Yxy(41.0471, 0.4039, 0.5175)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(41.0471, 0.4039, 0.5175)

Conversions

Conversions Part 1

Format	Color
Hex	A5B500
RGB	165, 181, 0
RGB Percent	65%, 71%, 0%
CMY	0.3531, 0.2901, 0.9999
CMYK	0.09, 0.00, 1.00, 0.29
HSL	65°, 100%, 35%
HSV	65°, 100%, 71%
XYZ	32.0366, 41.0471, 6.2344
YIQ	155.5820, 48.5650, -59.6830

Conversions

Conversions Part 2

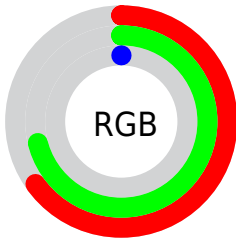
Format	Color
RYB	0, 181, 16
Decimal	10859776
CIELab	70.21, -23.62, 71.55
CIELCh	70, 75.349, 108.271
Yxy	41.0471, 0.4039, 0.5175
Android (android.graphics.Color)	4289049856 (0xFFA5B500)
YUV	155.5820, -76.7019, 8.2596
Hunter-Lab	64.0680, -22.8619, 39.0782

Details

The Yxy color **41.0471, 0.4039, 0.5175** is a dark color, and the websafe version is hex **CCCC33**. A complement of this color would be **3.4478, 0.1530, 0.0616**, and the grayscale version is **33.3817, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.9802, 0.3942, 0.4860**, and **18.6265, 0.3928, 0.5263** is the 20% darker color. If you saturate the color by 10%, you get **41.0488, 0.4039, 0.5175**, and if you desaturate by 10%, it is **41.2661, 0.4031, 0.5121**.

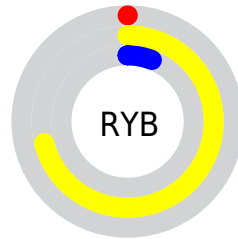
Distribution



Red (65%)

Green (71%)

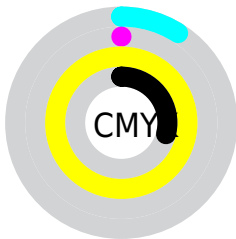
Blue (0%)



Red (0%)

Yellow (71%)

Blue (6%)

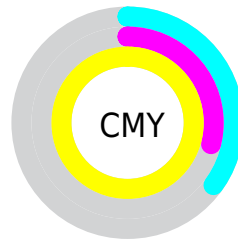


Cyan (9%)

Magenta (0%)

Yellow (100%)

Black (29%)



Cyan (35%)


Magenta (29%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.0471, 0.4039, 0.5175 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 41.0471, 0.4039, 0.5175 by changing the saturation by 10% instead.


 41.0471, 0.4039,
0.5175


 41.0471, 0.4039,
0.5175

350.5174, 0.3677,
0.4253

 28.3559, 0.4079,
0.5369


 76.7554, 0.3942,
0.4861


 18.5941, 0.4097,
0.5586


 100.5413, 0.3894,
0.4736

 11.3774, 0.4113,
0.5887


 128.7941, 0.3850,
0.4627

 6.3213, 0.3942,
0.6058

 161.8984, 0.3809,
0.4532

 3.0414, 0.3675,
0.6325

 200.2385, 0.3771,
0.4449

 1.1534, 0.3014,
0.6986

 244.1987, 0.3737,

 0.0231, 0.0000,

0.4376

1.0000

294.1636, 0.3706,
0.4311

■ 0.0000, 0.0000,
0.0000

■ 41.0471, 0.4039,
0.5175

■ 41.0471, 0.4039,
0.5175

■ 41.0488, 0.4039,
0.5175

■ 41.2661, 0.4031,
0.5121

■ 41.5260, 0.4003,
0.5032

■ 41.8441, 0.3950,
0.4900

■ 42.2277, 0.3871,
0.4726

■ 42.6833, 0.3772,
0.4519

■ 43.2162, 0.3655,
0.4286

■ 43.8315, 0.3527,
0.4038

■ 44.5338, 0.3394,
0.3784

■ 45.3272, 0.3259,
0.3533

Harmonies

Analogous

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



41.0471, 0.4850, 0.4521



41.0471, 0.4039, 0.5175



41.0471, 0.3061, 0.5270

Triad

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



41.0471, 0.4039, 0.5175



41.0471, 0.1377, 0.2239



41.0471, 0.3993, 0.2440

Complementary

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



41.0471, 0.4039, 0.5175



3.4478, 0.1530, 0.0616

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.



41.0471, 0.2869, 0.1978



41.0471, 0.4039, 0.5175



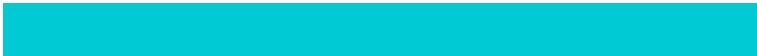
41.0471, 0.1527, 0.1823

Square

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



41.0471, 0.4039, 0.5175



41.0471, 0.1566, 0.3130



41.0471, 0.2012, 0.1760



41.0471, 0.4945, 0.3068

Rectangle

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



41.0471, 0.4039, 0.5175



41.0471, 0.2429, 0.4781



41.0471, 0.2012, 0.1760



41.0471, 0.3609, 0.2263

Sweetspot

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



41.0490, 0.4039, 0.5175



78.4295, 0.3534, 0.4051



10.1698, 0.6336, 0.3351



16.8494, 0.3588, 0.4155



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



41.0490, 0.4039, 0.5175



73.4551, 0.4036, 0.5177



34.5661, 0.3261, 0.5792



9.8676, 0.3250, 0.3516



28.3094, 0.4041, 0.5173



0.9018, 0.4086, 0.5138

Inverse Universe

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



3.4478, 0.1530, 0.0616



6.1322, 0.1523, 0.0613



6.3768, 0.2197, 0.0984



8.2650, 0.2998, 0.3056



2.3898, 0.1535, 0.0619



0.0869, 0.1673, 0.0696

Previews

White Background



This preview shows how the Yxy color 41.0471, 0.4039, 0.5175 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 41.0471, 0.4039, 0.5175 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 41.0471, 0.4039, 0.5175

Background



This preview shows how black text looks on a background with the Yxy color 41.0471, 0.4039, 0.5175.



This preview shows how white text looks on a background with the Yxy color 41.0471, 0.4039, 0.5175.

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

41.0471, 0.4039, 0.5175

Protanopia

40.8425, 0.4399, 0.4889

Deuteranopia

40.8871, 0.4656, 0.4570



Tritanopia

40.8064, 0.3108, 0.3116

Trichromacy



Original Color

41.0471, 0.4039, 0.5175

Protanomaly

40.7272, 0.4271, 0.4990

Deuteranomaly

40.6668, 0.4431, 0.4803

Tritanomaly

40.0092, 0.3623, 0.4109

Monochromacy



Original Color

41.0471, 0.4039, 0.5175

Achromatopsia

33.2452, 0.3127, 0.3290

Achromatomaly

35.1820, 0.3650, 0.4280

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.0471, 0.4039, 0.5175 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(165, 181, 0)` looks like.

```
.text, #text, p{  
    color:rgb(165, 181, 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(165, 181, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 181, 0) }
```

Border

The CSS property to change the border of an element to Yxy 41.0471, 0.4039, 0.5175 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(165, 181, 0) }
```

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

```
.border{ border-color:rgb(165, 181, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 181, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 181, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 181, 0);  
box-shadow:4px 4px 4px 4px rgb(165, 181,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 41.0471, 0.4039, 0.5175 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 181, 0) }
```

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

```
.background{ background-color: rgb(165,  
181, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor