

Converting Colors

$Y_{xy}(41.8807, 0.4138, 0.5050)$

Have a look what the booklet for
Yxy(41.8807, 0.4138, 0.5050)
contains.

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Color

Yxy(41.9071, 0.4136, 0.5052)

Conversions

Conversions Part 1

Format	Color
Hex	B0B40F
RGB	176, 180, 15
RGB Percent	69%, 71%, 6%
CMY	0.3099, 0.2941, 0.9408
CMYK	0.02, 0.00, 0.92, 0.29
HSL	61°, 85%, 38%
HSV	61°, 92%, 71%
XYZ	34.3087, 41.9071, 6.7357
YIQ	159.9940, 50.5810, -52.1630

Conversions

Conversions Part 2

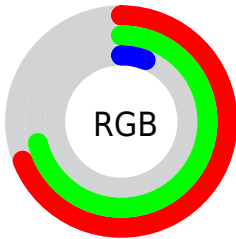
Format	Color
RYB	15, 180, 19
Decimal	11580431
CIELab	70.81, -18.16, 70.57
CIELCh	71, 72.867, 104.431
Yxy	41.9071, 0.4136, 0.5052
Android (android.graphics.Color)	4289770511 (0xFFB0B40F)
YUV	159.9940, -71.4820, 14.0373
Hunter-Lab	64.7357, -18.6857, 39.1459

Details

The Yxy color **41.9071, 0.4136, 0.5052** is a dark color, and the websafe version is hex **CCCC33**. A complement of this color would be **3.7799, 0.1553, 0.0676**, and the grayscale version is **35.4742, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.2932, 0.4011, 0.4769**, and **19.3603, 0.4075, 0.5147** is the 20% darker color. If you saturate the color by 10%, you get **41.8313, 0.4151, 0.5086**, and if you desaturate by 10%, it is **42.0360, 0.4101, 0.4982**.

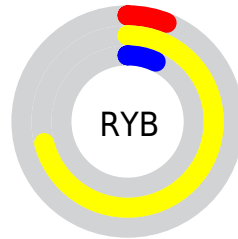
Distribution



Red (69%)

Green (71%)

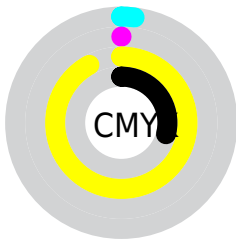
Blue (6%)



Red (6%)

Yellow (71%)

Blue (7%)

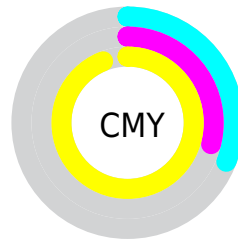


Cyan (2%)

Magenta (0%)

Yellow (92%)

Black (29%)



Cyan (31%)


Magenta (29%)


Yellow (94%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.9071, 0.4136, 0.5052 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 41.9071, 0.4136, 0.5052 by changing the saturation by 10% instead.


 41.9071, 0.4136,
0.5052

 41.9071, 0.4136,
0.5052

354.0977, 0.3717,
0.4205


 29.0286, 0.4194,
0.5226


 78.0590, 0.4015,
0.4767


 19.1024, 0.4237,
0.5420


 102.1012, 0.3960,
0.4652


 11.7443, 0.4300,
0.5700


 130.6333, 0.3909,
0.4552

 6.5698, 0.4173,
0.5827

 164.0398, 0.3863,
0.4464

 3.1946, 0.3976,
0.6024

 202.7051, 0.3821,
0.4387

 1.2341, 0.3599,
0.6401

 247.0136, 0.3783,

 0.0893, 0.0000,

0.4319

1.0000

297.3497, 0.3749,
0.4259

■ 0.0000, 0.0000,
0.0000

■ 41.9071, 0.4136,
0.5052

■ 41.9071, 0.4136,
0.5052

■ 41.8313, 0.4151,
0.5086

■ 42.0360, 0.4101,
0.4982

■ 42.2171, 0.4040,
0.4870

■ 42.4599, 0.3954,
0.4716

■ 42.7707, 0.3846,
0.4526

■ 43.1550, 0.3721,
0.4307

■ 43.6178, 0.3583,
0.4069

■ 44.1638, 0.3439,
0.3821

■ 44.7970, 0.3293,
0.3572

■ 45.5215, 0.3150,
0.3328

Harmonies

Analogous

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



41.9071, 0.4878, 0.4404



41.9071, 0.4136, 0.5052



41.9071, 0.3198, 0.5223

Triad

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



41.9071, 0.4136, 0.5052



41.9071, 0.1433, 0.2363



41.9071, 0.3822, 0.2400

Complementary

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



41.9071, 0.4136, 0.5052



3.7799, 0.1553, 0.0676

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.



41.9071, 0.2756, 0.1976



41.9071, 0.4136, 0.5052



41.9071, 0.1538, 0.1901

Square

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



41.9071, 0.4136, 0.5052



41.9071, 0.1669, 0.3286



41.9071, 0.1969, 0.1797



41.9071, 0.4786, 0.2999

Rectangle

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



41.9071, 0.4136, 0.5052



41.9071, 0.2573, 0.4833



41.9071, 0.1969, 0.1797



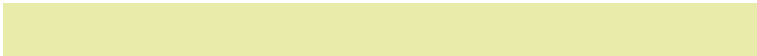
41.9071, 0.3452, 0.2235

Sweetspot

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



41.9091, 0.4136, 0.5052



79.4702, 0.3524, 0.3967



10.1670, 0.6229, 0.3311



17.1075, 0.3572, 0.4049



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.



41.9091, 0.4136, 0.5052



75.8232, 0.4150, 0.5087



35.1041, 0.3387, 0.5632



9.8959, 0.3260, 0.3515



29.1963, 0.4151, 0.5086



0.9219, 0.4164, 0.5076

Inverse Universe

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



3.7799, 0.1553, 0.0676



6.0121, 0.1506, 0.0603



6.3667, 0.2149, 0.0999



8.2397, 0.2988, 0.3055



2.3241, 0.1510, 0.0605



0.0764, 0.1549, 0.0627

Previews

White Background



This preview shows how the Yxy color 41.9071, 0.4136, 0.5052 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 41.9071, 0.4136, 0.5052 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 41.9071, 0.4136, 0.5052

Background



This preview shows how black text looks on a background with the Yxy color 41.9071, 0.4136, 0.5052.



This preview shows how white text looks on a background with the Yxy color 41.9071, 0.4136, 0.5052.

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

41.9071, 0.4136, 0.5052

Protanopia

41.9008, 0.4382, 0.4869

Deuteranopia

41.5553, 0.4660, 0.4563



Tritanopia

41.6241, 0.3209, 0.3121

Trichromacy



Original Color

41.9071, 0.4136, 0.5052

Protanomaly

41.7711, 0.4293, 0.4935

Deuteranomaly

41.5161, 0.4474, 0.4741

Tritanomaly

41.0515, 0.3693, 0.3999

Monochromacy



Original Color

41.9071, 0.4136, 0.5052

Achromatopsia

35.1533, 0.3127, 0.3290

Achromatomaly

36.8060, 0.3646, 0.4167

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.9071, 0.4136, 0.5052 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(176, 180, 15)` looks like.

```
.text, #text, p{  
    color:rgb(176, 180, 15)  
}
```

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(176, 180, 15) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 180, 15) }
```

Border

The CSS property to change the border of an element to Yxy 41.9071, 0.4136, 0.5052 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(176, 180, 15) }
```

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

```
.border{ border-color:rgb(176, 180, 15) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 180, 15)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 180, 15); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 180, 15);  
box-shadow:4px 4px 4px 4px rgb(176, 180,  
15) }
```


Background

The CSS property to change the background color of an element to Yxy 41.9071, 0.4136, 0.5052 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 180, 15) }
```

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

```
.background{ background-color: rgb(176,  
180, 15) }
```

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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