

Converting Colors

$Y_{xy}(41.2755, 0.4013, 0.4788)$

Have a look what the booklet for
Yxy(41.2755, 0.4013, 0.4788)
contains.

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Color

Yxy(41.3867, 0.4011, 0.4796)

Conversions

Conversions Part 1

Format	Color
Hex	B0B23B
RGB	176, 178, 59
RGB Percent	69%, 70%, 23%
CMY	0.3098, 0.3019, 0.7688
CMYK	0.01, 0.00, 0.67, 0.30
HSL	61°, 50%, 46%
HSV	61°, 67%, 70%
XYZ	34.6126, 41.3867, 10.2949
YIQ	163.8360, 37.0070, -37.4330

Conversions

Conversions Part 2

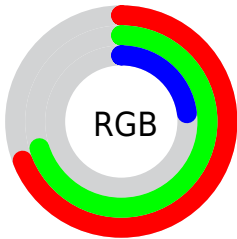
Format	Color
RYB	59, 178, 61
Decimal	11579963
CIELab	70.45, -15.56, 57.93
CIELCh	70, 59.984, 105.032
Yxy	41.3867, 0.4011, 0.4796
Android (android.graphics.Color)	4289770043 (0xFFB0B23B)
YUV	163.8360, -51.6841, 10.6678
Hunter-Lab	64.3325, -16.5441, 35.5448

Details

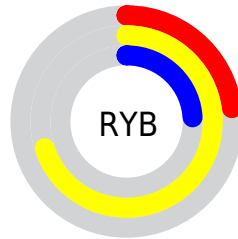
The Yxy color **41.3867, 0.4011, 0.4796** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **7.3287, 0.1865, 0.1186**, and the grayscale version is **37.2780, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.5303, 0.3880, 0.4535**, and **18.9148, 0.4113, 0.5116** is the 20% darker color. If you saturate the color by 10%, you get **41.1995, 0.4085, 0.4927**, and if you desaturate by 10%, it is **41.6408, 0.3913, 0.4626**.

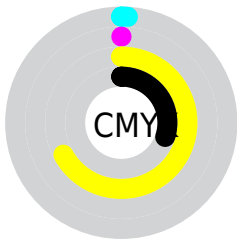
Distribution



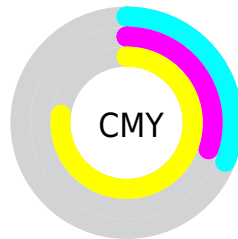
- Red (69%)
- Green (70%)
- Blue (23%)



- Red (23%)
- Yellow (70%)
- Blue (24%)



- Cyan (1%)
- Magenta (0%)
- Yellow (67%)
- Black (30%)



- Cyan (31%)
- Magenta (30%)
- Yellow (77%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.3867, 0.4011, 0.4796 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 41.3867, 0.4011, 0.4796 by changing the saturation by 10% instead.


 41.3867, 0.4011,
0.4796


 41.3867, 0.4011,
0.4796


351.9342, 0.3615,
0.4047


 28.6214, 0.4082,
0.4966


 77.2706, 0.3885,
0.4533

 18.7946, 0.4153,
0.5167


 101.1579, 0.3832,
0.4431

 11.5219, 0.4211,
0.5402


 129.5213, 0.3785,
0.4343

 6.4191, 0.4272,
0.5728

 162.7453, 0.3743,
0.4267

 3.1015, 0.4101,
0.5899

 201.2142, 0.3705,
0.4202

 1.1850, 0.3778,
0.6222

245.3124, 0.3672,

 0.0494, 0.0000,

0.4144

1.0000

295.4243, 0.3642,
0.4092

■ 0.0000, 0.0000,
0.0000

■ 41.3867, 0.4011,
0.4796

■ 41.3867, 0.4011,
0.4796

■ 41.1995, 0.4085,
0.4927

■ 41.6408, 0.3913,
0.4626

■ 41.0666, 0.4134,
0.5015

■ 41.9618, 0.3795,
0.4422

■ 40.9807, 0.4158,
0.5064

■ 42.3567, 0.3661,
0.4194

■ 40.9576, 0.4164,
0.5076

■ 42.8301, 0.3518,
0.3951

■ 43.3864, 0.3371,
0.3702

■ 44.0294, 0.3225,
0.3455

■ 44.7629, 0.3084,
0.3217

■ 45.5903, 0.2949,
0.2990

■ 46.5150, 0.2823,
0.2779

Harmonies

Analogous

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



41.3867, 0.4624, 0.4305



41.3867, 0.4011, 0.4796



41.3867, 0.3210, 0.4854

Triad

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



41.3867, 0.4011, 0.4796



41.3867, 0.1666, 0.2519



41.3867, 0.3730, 0.2544

Complementary

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



41.3867, 0.4011, 0.4796



7.3287, 0.1865, 0.1186

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.



41.3867, 0.2843, 0.2164



41.3867, 0.4011, 0.4796



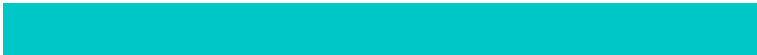
41.3867, 0.1760, 0.2104

Square

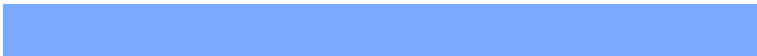
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



41.3867, 0.4011, 0.4796



41.3867, 0.1884, 0.3290



41.3867, 0.2153, 0.2004



41.3867, 0.4514, 0.3078

Rectangle

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



41.3867, 0.4011, 0.4796



41.3867, 0.2673, 0.4515



41.3867, 0.2153, 0.2004



41.3867, 0.3427, 0.2396

Sweetspot

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



41.3886, 0.4011, 0.4796



78.3044, 0.3422, 0.3789



13.1119, 0.5271, 0.3320



17.2861, 0.3463, 0.3858



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.



41.3886, 0.4011, 0.4796



74.5856, 0.4110, 0.4972



35.9061, 0.3441, 0.5153



9.8992, 0.3261, 0.3515



29.3059, 0.4164, 0.5075



0.9244, 0.4173, 0.5069

Inverse Universe

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



7.3287, 0.1865, 0.1186



8.4819, 0.1645, 0.0828



10.3641, 0.2453, 0.1460



8.2368, 0.2987, 0.3055



2.3166, 0.1507, 0.0604



0.0751, 0.1534, 0.0619

Previews

White Background



This preview shows how the Yxy color 41.3867, 0.4011, 0.4796 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 41.3867, 0.4011, 0.4796 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 41.3867, 0.4011, 0.4796

Background



This preview shows how black text looks on a background with the Yxy color 41.3867, 0.4011, 0.4796.



This preview shows how white text looks on a background with the Yxy color 41.3867, 0.4011, 0.4796.

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

41.3867, 0.4011, 0.4796

Protanopia

41.1379, 0.4237, 0.4651

Deuteranopia

41.3682, 0.4482, 0.4391



Tritanopia

41.0919, 0.3209, 0.3120

Trichromacy



Original Color

41.3867, 0.4011, 0.4796

Protanomaly

41.1424, 0.4156, 0.4699

Deuteranomaly

41.1412, 0.4315, 0.4535

Tritanomaly

40.5660, 0.3558, 0.3771

Monochromacy



Original Color

41.3867, 0.4011, 0.4796

Achromatopsia

37.1238, 0.3127, 0.3290

Achromatomaly

38.2071, 0.3493, 0.3914

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.3867, 0.4011, 0.4796 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, 178, 59)` looks like.

```
.text, #text, p{  
    color:rgb(176, 178, 59)  
}
```

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, 178, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 178, 59) }
```

Border

The CSS property to change the border of an element to Yxy 41.3867, 0.4011, 0.4796 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, 178, 59) }
```

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

```
.border{ border-color:rgb(176, 178, 59) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 178, 59)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 178, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 178, 59);  
box-shadow:4px 4px 4px 4px rgb(176, 178,  
59) }
```


Background

The CSS property to change the background color of an element to Yxy 41.3867, 0.4011, 0.4796 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 178, 59) }
```

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

```
.background{ background-color: rgb(176,  
178, 59) }
```

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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