

Converting Colors

$Y_{xy}(41.5916, 0.3911, 0.4620)$

Have a look what the booklet for
Yxy(41.5916, 0.3911, 0.4620)
contains.

Yxy(41.6067, 0.3908, 0.4625)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(41.6067, 0.3908, 0.4625)

Conversions

Conversions Part 1

Format	Color
Hex	B0B24D
RGB	176, 178, 77
RGB Percent	69%, 70%, 30%
CMY	0.3100, 0.3019, 0.6981
CMYK	0.01, 0.00, 0.57, 0.30
HSL	61°, 40%, 50%
HSV	61°, 57%, 70%
XYZ	35.1565, 41.6067, 13.1972
YIQ	165.8880, 31.2290, -31.8350

Conversions

Conversions Part 2

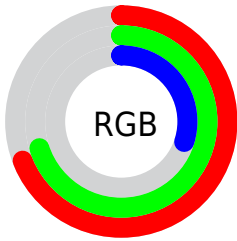
Format	Color
RYB	77, 178, 79
Decimal	11579981
CIELab	70.60, -14.36, 50.33
CIELCh	71, 52.338, 105.919
Yxy	41.6067, 0.3908, 0.4625
Android (android.graphics.Color)	4289770061 (0xFFB0B24D)
YUV	165.8880, -43.8218, 8.8682
Hunter-Lab	64.5033, -15.5919, 33.0217

Details

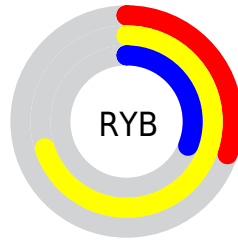
The Yxy color **41.6067, 0.3908, 0.4625** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **10.1865, 0.2063, 0.1510**, and the grayscale version is **38.2783, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.9230, 0.3792, 0.4390**, and **19.0485, 0.4056, 0.4984** is the 20% darker color. If you saturate the color by 10%, you get **41.3483, 0.4006, 0.4797**, and if you desaturate by 10%, it is **41.9378, 0.3790, 0.4420**.

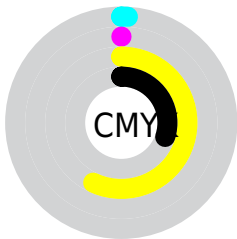
Distribution



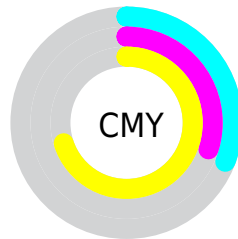
- Red (69%)
- Green (70%)
- Blue (30%)



- Red (30%)
- Yellow (70%)
- Blue (31%)



- Cyan (1%)
- Magenta (0%)
- Yellow (57%)
- Black (30%)




- Cyan (31%)
- Magenta (30%)
- Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.6067, 0.3908, 0.4625 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 41.6067, 0.3908, 0.4625 by changing the saturation by 10% instead.


 41.6067, 0.3908,
0.4625

 41.6067, 0.3908,
0.4625


352.8500, 0.3547,
0.3951


 28.7935, 0.3980,
0.4785


 77.6040, 0.3788,
0.4384

 18.9246, 0.4059,
0.4981


 101.5569, 0.3740,
0.4292

 11.6158, 0.4136,
0.5219


 129.9918, 0.3697,
0.4213

 6.4827, 0.4258,
0.5596

 163.2931, 0.3659,
0.4146

 3.1407, 0.4165,
0.5835

 201.8451, 0.3626,
0.4088

 1.2056, 0.3881,
0.6119

246.0324, 0.3597,

 0.0663, 0.0000,

0.4036

1.0000

296.2392, 0.3571,
0.3991

■ 0.0000, 0.0000,
0.0000

■ 41.6067, 0.3908,
0.4625

■ 41.6067, 0.3908,
0.4625

■ 41.3483, 0.4006,
0.4797

■ 41.9378, 0.3790,
0.4420

■ 41.1512, 0.4079,
0.4929

■ 42.3411, 0.3657,
0.4192

■ 41.0105, 0.4128,
0.5018

■ 42.8230, 0.3515,
0.3948

■ 40.9169, 0.4152,
0.5068

■ 43.3878, 0.3369,
0.3699

■ 40.8906, 0.4158,
0.5081

■ 44.0395, 0.3223,
0.3452

■ 44.7817, 0.3082,
0.3214

■ 45.6180, 0.2948,
0.2987

■ 46.5516, 0.2822,
0.2776

■ 47.5856, 0.2707,
0.2582

Harmonies

Analogous

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



41.6067, 0.4446, 0.4230



41.6067, 0.3908, 0.4625



41.6067, 0.3197, 0.4625

Triad

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



41.6067, 0.3908, 0.4625



41.6067, 0.1822, 0.2608



41.6067, 0.3681, 0.2642

Complementary

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



41.6067, 0.3908, 0.4625



10.1865, 0.2063, 0.1510

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.



41.6067, 0.2905, 0.2292



41.6067, 0.3908, 0.4625



41.6067, 0.1913, 0.2234

Square

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



41.6067, 0.3908, 0.4625



41.6067, 0.2018, 0.3279



41.6067, 0.2281, 0.2143



41.6067, 0.4350, 0.3132

Rectangle

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



41.6067, 0.3908, 0.4625



41.6067, 0.2722, 0.4319



41.6067, 0.2281, 0.2143



41.6067, 0.3419, 0.2506

Sweetspot

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



41.6086, 0.3908, 0.4625



78.6034, 0.3377, 0.3713



15.5482, 0.4796, 0.3318



17.3674, 0.3406, 0.3762



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.



41.6086, 0.3908, 0.4625



74.8687, 0.4026, 0.4832



36.8059, 0.3427, 0.4881



9.8976, 0.3260, 0.3515



29.2546, 0.4158, 0.5080



0.9232, 0.4169, 0.5072

Inverse Universe

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



10.1865, 0.2063, 0.1510



12.3587, 0.1827, 0.1121



13.2038, 0.2581, 0.1723



8.2382, 0.2988, 0.3055



2.3201, 0.1508, 0.0604



0.0757, 0.1541, 0.0623

Previews

White Background



This preview shows how the Yxy color 41.6067, 0.3908, 0.4625 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 41.6067, 0.3908, 0.4625 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 41.6067, 0.3908, 0.4625

Background



This preview shows how black text looks on a background with the Yxy color 41.6067, 0.3908, 0.4625.



This preview shows how white text looks on a background with the Yxy color 41.6067, 0.3908, 0.4625.

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

41.6067, 0.3908, 0.4625

Protanopia

41.6016, 0.4114, 0.4510

Deuteranopia

41.2911, 0.4350, 0.4256



Tritanopia

41.3718, 0.3190, 0.3120

Trichromacy



Original Color

41.6067, 0.3908, 0.4625

Protanomaly

41.6209, 0.4034, 0.4552

Deuteranomaly

41.2345, 0.4190, 0.4379

Tritanomaly

41.0541, 0.3474, 0.3674

Monochromacy



Original Color

41.6067, 0.3908, 0.4625

Achromatopsia

38.1326, 0.3127, 0.3290

Achromatomaly

39.0167, 0.3440, 0.3807

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.6067, 0.3908, 0.4625 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, 77)` looks like.

```
.text, #text, p{  
    color:rgb(176, 178, 77)  
}
```

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, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 178, 77) }
```

Border

The CSS property to change the border of an element to Yxy 41.6067, 0.3908, 0.4625 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, 77) }
```

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

```
.border{ border-color:rgb(176, 178, 77) }
```

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, 77)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 178, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 178, 77);  
box-shadow:4px 4px 4px 4px rgb(176, 178,  
77) }
```


Background

The CSS property to change the background color of an element to Yxy 41.6067, 0.3908, 0.4625 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, 77) }
```

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

```
.background{ background-color: rgb(176,  
178, 77) }
```

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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