

Converting Colors

$Y_{xy}(41.5507, 0.3808, 0.4737)$

Have a look what the booklet for
Yxy(41.5507, 0.3808, 0.4737)
contains.

Yxy(41.6492, 0.3810, 0.4739)	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(41.6492, 0.3810, 0.4739)

Conversions

Conversions Part 1

Format	Color
Hex	A6B54A
RGB	166, 181, 74
RGB Percent	65%, 71%, 29%
CMY	0.3490, 0.2902, 0.7098
CMYK	0.08, 0.00, 0.59, 0.29
HSL	68°, 42%, 50%
HSV	68°, 59%, 71%
XYZ	33.4846, 41.6492, 12.7523
YIQ	164.3170, 25.4070, -36.4570

Conversions

Conversions Part 2

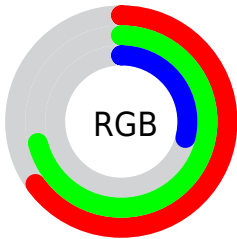
Format	Color
RYB	74, 181, 89
Decimal	10925386
CIELab	70.63, -20.26, 51.51
CIELCh	71, 55.350, 111.477
Yxy	41.6492, 0.3810, 0.4739
Android (android.graphics.Color)	4289115466 (0xFFA6B54A)
YUV	164.3170, -44.5263, 1.4760
Hunter-Lab	64.5362, -20.3237, 33.4597

Details

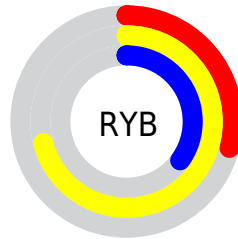
The Yxy color **41.6492, 0.3810, 0.4739** is a dark color, and the websafe version is hex **CCCC66**. A complement of this color would be **10.3586, 0.2124, 0.1476**, and the grayscale version is **37.4910, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.7887, 0.3709, 0.4470**, and **18.8615, 0.3919, 0.5139** is the 20% darker color. If you saturate the color by 10%, you get **41.1695, 0.3881, 0.4926**, and if you desaturate by 10%, it is **42.2083, 0.3718, 0.4519**.

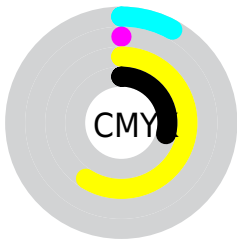
Distribution



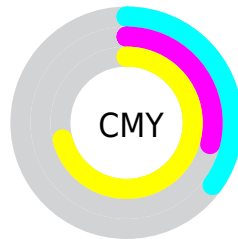
- Red (65%)
- Green (71%)
- Blue (29%)



- Red (29%)
- Yellow (71%)
- Blue (35%)



- Cyan (8%)
- Magenta (0%)
- Yellow (59%)
- Black (29%)



- Cyan (35%)
- Magenta (29%)
- Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 41.6492, 0.3810, 0.4739 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 41.6492, 0.3810, 0.4739 by changing the saturation by 10% instead.

■ 41.6492, 0.3810,
0.4739

■ 41.6492, 0.3810,
0.4739

■ 353.0267, 0.3505,
0.3998

■ 28.8267, 0.3866,
0.4918

■ 77.6684, 0.3712,
0.4472

■ 18.9498, 0.3922,
0.5139

■ 101.6339, 0.3671,
0.4370

■ 11.6340, 0.3966,
0.5412

■ 130.0826, 0.3635,
0.4284

■ 6.4950, 0.4053,
0.5865

■ 163.3988, 0.3603,
0.4210

■ 3.1483, 0.3863,
0.6137

■ 201.9669, 0.3574,
0.4147

■ 1.2097, 0.3402,
0.6598

246.1713, 0.3548,

■ 0.0696, 0.0000,

0.4091

1.0000

296.3964, 0.3525,
0.4042

■ 0.0000, 0.0000,
0.0000

■ 41.6492, 0.3810,
0.4739

■ 41.6492, 0.3810,
0.4739

■ 41.1695, 0.3881,
0.4926

■ 42.2083, 0.3718,
0.4519

■ 40.7572, 0.3928,
0.5074

■ 42.8467, 0.3610,
0.4277

■ 40.4069, 0.3949,
0.5177

■ 43.5711, 0.3490,
0.4022

■ 40.1053, 0.3949,
0.5242

■ 44.3862, 0.3366,
0.3765

■ 40.0795, 0.3948,
0.5247

■ 45.2960, 0.3240,
0.3512

■ 46.3046, 0.3116,
0.3269

■ 47.4157, 0.2998,
0.3041

■ 48.6328, 0.2886,
0.2829

■ 49.9591, 0.2782,
0.2635

Harmonies

Analogous

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



41.6492, 0.4428, 0.4364



41.6492, 0.3810, 0.4739



41.6492, 0.3051, 0.4646

Triad

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



41.6492, 0.3810, 0.4739



41.6492, 0.1756, 0.2471



41.6492, 0.3861, 0.2695

Complementary

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



41.6492, 0.3810, 0.4739



10.3586, 0.2124, 0.1476

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.



41.6492, 0.3036, 0.2298



41.6492, 0.3810, 0.4739



41.6492, 0.1905, 0.2142

Square

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



41.6492, 0.3810, 0.4739



41.6492, 0.1901, 0.3121



41.6492, 0.2339, 0.2100



41.6492, 0.4513, 0.3222

Rectangle

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



41.6492, 0.3810, 0.4739



41.6492, 0.2566, 0.4253



41.6492, 0.2339, 0.2100



41.6492, 0.3588, 0.2544

Sweetspot

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



41.6511, 0.3810, 0.4739



79.6147, 0.3355, 0.3744



17.3424, 0.4788, 0.3488



17.1124, 0.3392, 0.3817



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.



41.6511, 0.3810, 0.4739



73.4883, 0.3898, 0.4976



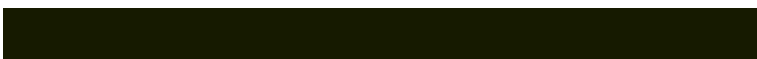
37.0713, 0.3324, 0.5009



9.8450, 0.3242, 0.3516



27.6504, 0.3952, 0.5244



0.8865, 0.4023, 0.5187

Inverse Universe

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



10.3586, 0.2124, 0.1476



12.3582, 0.1886, 0.1091



13.9646, 0.2700, 0.1721



8.2855, 0.3006, 0.3056



2.4645, 0.1563, 0.0635



0.0955, 0.1769, 0.0748

Previews

White Background



This preview shows how the Yxy color 41.6492, 0.3810, 0.4739 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 41.6492, 0.3810, 0.4739 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

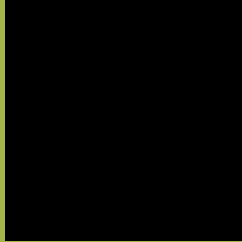
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 41.6492, 0.3810, 0.4739

Background



This preview shows how black text looks on a background with the Yxy color 41.6492, 0.3810, 0.4739.



This preview shows how white text looks on a background with the Yxy color 41.6492, 0.3810, 0.4739.

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

41.6492, 0.3810, 0.4739

Protanopia

41.5615, 0.4134, 0.4539

Deuteranopia

41.2616, 0.4364, 0.4274



Tritanopia

41.6333, 0.3091, 0.3117

Trichromacy



Original Color

41.6492, 0.3810, 0.4739

Protanomaly

41.5990, 0.4016, 0.4608

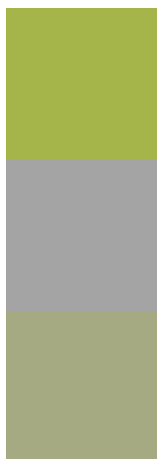
Deuteranomaly

41.0210, 0.4164, 0.4439

Tritanomaly

41.2539, 0.3390, 0.3724

Monochromacy



Original Color

41.6492, 0.3810, 0.4739

Achromatopsia

37.1238, 0.3127, 0.3290

Achromatomaly

38.3875, 0.3417, 0.3859

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.6492, 0.3810, 0.4739 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(166, 181, 74)` looks like.

```
.text, #text, p{  
    color:rgb(166, 181, 74)  
}
```

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(166, 181, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 181, 74) }
```

Border

The CSS property to change the border of an element to Yxy 41.6492, 0.3810, 0.4739 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(166, 181, 74) }
```

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

```
.border{ border-color:rgb(166, 181, 74) }
```

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

Here you see how a box with a 4 pixel rgb(166, 181, 74) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 181, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 181, 74);  
box-shadow:4px 4px 4px 4px rgb(166, 181,  
74) }
```


Background

The CSS property to change the background color of an element to Yxy 41.6492, 0.3810, 0.4739 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 181, 74) }
```

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

```
.background{ background-color: rgb(166,  
181, 74) }
```

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