

Converting Colors

$Y_{xy}(46.2777, 0.3638, 0.4240)$

Have a look what the booklet for
Yxy(46.2777, 0.3638, 0.4240)
contains.

Yxy(46.1794, 0.3645, 0.4239)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(46.1794, 0.3645, 0.4239)

Conversions

Conversions Part 1

Format	Color
Hex	B5BA73
RGB	181, 186, 115
RGB Percent	71%, 73%, 45%
CMY	0.2903, 0.2706, 0.5489
CMYK	0.03, 0.00, 0.38, 0.27
HSL	64°, 34%, 59%
HSV	64°, 38%, 73%
XYZ	39.7084, 46.1794, 23.0516
YIQ	176.4110, 19.8110, -23.1410

Conversions

Conversions Part 2

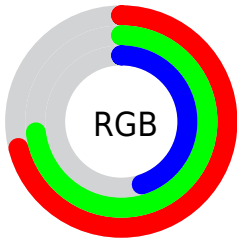
Format	Color
RYB	115, 186, 120
Decimal	11909747
CIELab	73.66, -12.69, 35.39
CIELCh	74, 37.596, 109.729
Yxy	46.1794, 0.3645, 0.4239
Android (android.graphics.Color)	4290099827 (0xFFB5BA73)
YUV	176.4110, -30.2756, 4.0246
Hunter-Lab	67.9554, -14.6191, 27.4567

Details

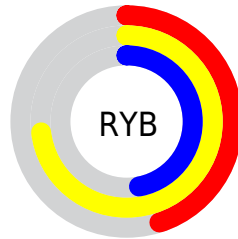
The Yxy color $46.1794, 0.3645, 0.4239$ is a light color, and the websafe version is hex `CCCC99`. A complement of this color would be $19.8135, 0.2483, 0.2162$, and the grayscale version is $43.7968, 0.3127, 0.3290$.

A 20% lighter version of the original color is $84.5086, 0.3561, 0.4062$, and $21.6687, 0.3770, 0.4515$ is the 20% darker color. If you saturate the color by 10%, you get $45.6370, 0.3767, 0.4473$, and if you desaturate by 10%, it is $46.8139, 0.3512, 0.3991$.

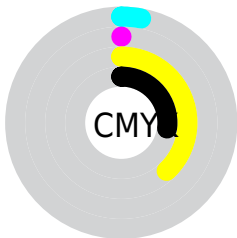
Distribution



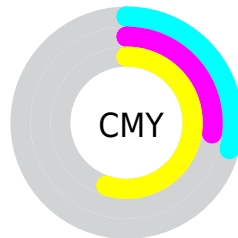
- Red (71%)
- Green (73%)
- Blue (45%)



- Red (45%)
- Yellow (73%)
- Blue (47%)



- Cyan (3%)
- Magenta (0%)
- Yellow (38%)
- Black (27%)





- Cyan (29%)
- Magenta (27%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.1794, 0.3645, 0.4239 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 46.1794, 0.3645, 0.4239 by changing the saturation by 10% instead.

 46.1794, 0.3645,
0.4239

 46.1794, 0.3645,
0.4239


371.5294, 0.3399,
0.3758


 32.3874, 0.3700,
0.4359


 84.4874, 0.3560,
0.4064

 21.6576, 0.3766,
0.4510


 109.7722, 0.3526,
0.3998

 13.6055, 0.3845,
0.4708


 139.6568, 0.3498,
0.3943

 7.8468, 0.3934,
0.4972

174.5255, 0.3473,
0.3895

 3.9971, 0.4079,
0.5409

214.7627, 0.3451,
0.3854

 1.6719, 0.4099,
0.5901

260.7528, 0.3431,

 0.4054, 0.1570,

0.3818

0.8430

312.8803, 0.3414,
0.3786

0.0000, 0.0000,
0.0000

46.1794, 0.3645,
0.4239

46.1794, 0.3645,
0.4239

45.6370, 0.3767,
0.4473

46.8139, 0.3512,
0.3991

45.1752, 0.3874,
0.4683

47.5390, 0.3375,
0.3738

44.7903, 0.3959,
0.4859


48.3613, 0.3237,
0.3488


44.4757, 0.4020,
0.4995


49.2848, 0.3103,
0.3246


44.2238, 0.4056,
0.5088

50.3136, 0.2974,
0.3018

 44.0223, 0.4068,
0.5142

 51.4513, 0.2854,
0.2806

 43.9871, 0.4070,
0.5150

 52.7015, 0.2742,
0.2610

 53.4845, 0.2691,
0.2515

 53.6566, 0.2700,
0.2517

Harmonies

Analogous

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



46.1794, 0.4035, 0.4032



46.1794, 0.3645, 0.4239



46.1794, 0.3134, 0.4156

Triad

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



46.1794, 0.3645, 0.4239



46.1794, 0.2175, 0.2780



46.1794, 0.3586, 0.2868

Complementary

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



46.1794, 0.3645, 0.4239



19.8135, 0.2483, 0.2162

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.



46.1794, 0.3048, 0.2587



46.1794, 0.3645, 0.4239



46.1794, 0.2269, 0.2516

Square

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



46.1794, 0.3645, 0.4239



46.1794, 0.2304, 0.3234



46.1794, 0.2574, 0.2458



46.1794, 0.4016, 0.3249

Rectangle

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



46.1794, 0.3645, 0.4239



46.1794, 0.2798, 0.3922



46.1794, 0.2574, 0.2458



46.1794, 0.3409, 0.2760

Sweetspot

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



46.1815, 0.3645, 0.4239



87.1795, 0.3279, 0.3563



25.0566, 0.4028, 0.3360



19.1530, 0.3297, 0.3597



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



46.1815, 0.3645, 0.4239



82.8406, 0.3751, 0.4442



42.4516, 0.3326, 0.4348



10.4702, 0.3253, 0.3517



29.6041, 0.4072, 0.5149



1.0533, 0.4105, 0.5123

Inverse Universe

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



19.8135, 0.2483, 0.2162



28.0722, 0.2307, 0.1864



22.8097, 0.2836, 0.2264



8.7490, 0.2995, 0.3054



2.4563, 0.1527, 0.0615



0.0969, 0.1632, 0.0673

Previews

White Background



This preview shows how the Yxy color 46.1794, 0.3645, 0.4239 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 46.1794, 0.3645, 0.4239 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

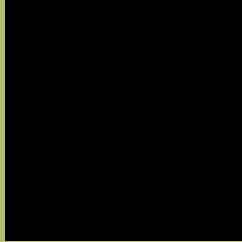
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.1794, 0.3645, 0.4239

Background



This preview shows how black text looks on a background with the Yxy color 46.1794, 0.3645, 0.4239.



This preview shows how white text looks on a background with the Yxy color 46.1794, 0.3645, 0.4239.

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

46.1794, 0.3645, 0.4239

Protanopia

46.1103, 0.3834, 0.4157

Deuteranopia

45.9469, 0.4026, 0.3950



Tritanopia

46.1530, 0.3127, 0.3113

Trichromacy



Original Color

46.1794, 0.3645, 0.4239

Protanomaly

46.1582, 0.3760, 0.4186

Deuteranomaly

45.9625, 0.3884, 0.4054

Tritanomaly

45.8517, 0.3328, 0.3514

Monochromacy



Original Color

46.1794, 0.3645, 0.4239

Achromatopsia

43.4154, 0.3127, 0.3290

Achromatomaly

44.4406, 0.3322, 0.3644

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.1794, 0.3645, 0.4239 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(181, 186, 115)` looks like.

```
.text, #text, p{  
    color:rgb(181, 186, 115)  
}
```

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(181, 186, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 186, 115) }
```

Border

The CSS property to change the border of an element to Yxy 46.1794, 0.3645, 0.4239 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(181, 186, 115) }
```

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

```
.border{ border-color:rgb(181, 186, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 186, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 186, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 186, 115);  
box-shadow:4px 4px 4px 4px rgb(181, 186,  
115) }
```


Background

The CSS property to change the background color of an element to Yxy 46.1794, 0.3645, 0.4239 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 186, 115) }
```

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

```
.background{ background-color: rgb(181,  
186, 115) }
```

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