

Converting Colors

$Yxy(46.7787, 0.3646, 0.4177)$

Have a look what the booklet for
Yxy(46.7787, 0.3646, 0.4177)
contains.

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Color

Yxy(46.7640, 0.3652, 0.4176)

Conversions

Conversions Part 1

Format	Color
Hex	B9BA77
RGB	185, 186, 119
RGB Percent	73%, 73%, 47%
CMY	0.2745, 0.2706, 0.5333
CMYK	0.01, 0.00, 0.36, 0.27
HSL	61°, 33%, 60%
HSV	61°, 36%, 73%
XYZ	40.8961, 46.7640, 24.3227
YIQ	178.0630, 20.9110, -21.0490

Conversions

Conversions Part 2

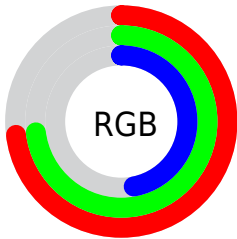
Format	Color
RYB	119, 186, 120
Decimal	12171895
CIELab	74.04, -10.63, 33.89
CIELCh	74, 35.514, 107.409
Yxy	46.7640, 0.3652, 0.4176
Android (android.graphics.Color)	4290361975 (0xFFB9BA77)
YUV	178.0630, -29.1181, 6.0837
Hunter-Lab	68.3842, -12.9232, 26.7809

Details

The Yxy color **46.7640, 0.3652, 0.4176** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **20.7321, 0.2491, 0.2225**, and the grayscale version is **44.7056, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.3601, 0.3565, 0.4013**, and **22.0300, 0.3784, 0.4429** is the 20% darker color. If you saturate the color by 10%, you get **46.3274, 0.3787, 0.4406**, and if you desaturate by 10%, it is **47.2924, 0.3508, 0.3932**.

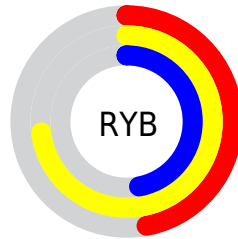
Distribution



Red (73%)

Green (73%)

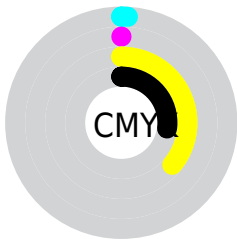
Blue (47%)



Red (47%)

Yellow (73%)

Blue (47%)

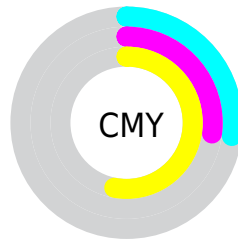


Cyan (1%)

Magenta (0%)

Yellow (36%)

Black (27%)



Cyan (27%)


Magenta (27%)


Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.7640, 0.3652, 0.4176 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 46.7640, 0.3652, 0.4176 by changing the saturation by 10% instead.


 46.7640, 0.3652,
0.4176


 46.7640, 0.3652,
0.4176


373.8717, 0.3401,
0.3729

 32.8491, 0.3709,
0.4287


 85.3612, 0.3564,
0.4014

 22.0109, 0.3779,
0.4427


 110.8124, 0.3530,
0.3953

 13.8649, 0.3863,
0.4609


 140.8778, 0.3501,
0.3901

 8.0268, 0.3964,
0.4853


175.9418, 0.3476,
0.3857

 4.1121, 0.4104,
0.5225

216.3888, 0.3453,
0.3818

 1.7365, 0.4237,
0.5763

262.6032, 0.3434,

 0.4471, 0.2702,

0.3785

0.7298

314.9693, 0.3416,
0.3755

0.0000, 0.0000,
0.0000

46.7640, 0.3652,
0.4176

46.7640, 0.3652,
0.4176

46.3274, 0.3787,
0.4406

47.2924, 0.3508,
0.3932

45.9711, 0.3907,
0.4612

47.9108, 0.3360,
0.3682

45.6915, 0.4007,
0.4785


48.6259, 0.3213,
0.3435

45.4824, 0.4084,
0.4918


49.4418, 0.3071,
0.3196


45.3362, 0.4134,
0.5009

50.3621, 0.2937,
0.2971

 45.2435, 0.4160,
0.5059

 51.3907, 0.2811,
0.2760

 45.2136, 0.4167,
0.5073

 52.5310, 0.2695,
0.2566

 52.9340, 0.2662,
0.2509

 52.9693, 0.2664,
0.2510

Harmonies

Analogous

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



46.7640, 0.4004, 0.3970



46.7640, 0.3652, 0.4176



46.7640, 0.3175, 0.4118

Triad

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



46.7640, 0.3652, 0.4176



46.7640, 0.2228, 0.2840



46.7640, 0.3522, 0.2867

Complementary

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



46.7640, 0.3652, 0.4176



20.7321, 0.2491, 0.2225

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.



46.7640, 0.3016, 0.2609



46.7640, 0.3652, 0.4176



46.7640, 0.2301, 0.2572

Square

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



46.7640, 0.3652, 0.4176



46.7640, 0.2369, 0.3278



46.7640, 0.2577, 0.2500



46.7640, 0.3939, 0.3224

Rectangle

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



46.7640, 0.3652, 0.4176



46.7640, 0.2854, 0.3913



46.7640, 0.2577, 0.2500



46.7640, 0.3354, 0.2767

Sweetspot

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



46.7661, 0.3652, 0.4176



87.4413, 0.3289, 0.3562



24.9650, 0.3980, 0.3293



19.2177, 0.3309, 0.3596



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.



46.7661, 0.3652, 0.4176



84.1364, 0.3757, 0.4355



43.1758, 0.3356, 0.4270



10.4963, 0.3262, 0.3516



30.4196, 0.4168, 0.5073



1.0746, 0.4175, 0.5067

Inverse Universe

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



20.7321, 0.2491, 0.2225



30.1711, 0.2329, 0.1956



23.4627, 0.2810, 0.2313



8.7257, 0.2986, 0.3054



2.4001, 0.1506, 0.0603



0.0868, 0.1529, 0.0616

Previews

White Background



This preview shows how the Yxy color 46.7640, 0.3652, 0.4176 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 46.7640, 0.3652, 0.4176 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

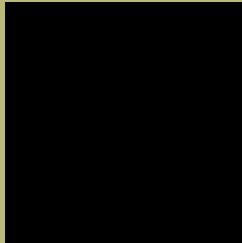
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.7640, 0.3652, 0.4176

Background



This preview shows how black text looks on a background with the Yxy color 46.7640, 0.3652, 0.4176.



This preview shows how white text looks on a background with the Yxy color 46.7640, 0.3652, 0.4176.

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

46.7640, 0.3652, 0.4176

Protanopia

46.7460, 0.3807, 0.4117

Deuteranopia

46.5827, 0.3995, 0.3913



Tritanopia

46.6752, 0.3161, 0.3115

Trichromacy



Original Color

46.7640, 0.3652, 0.4176

Protanomaly

46.5124, 0.3747, 0.4131

Deuteranomaly

46.3431, 0.3870, 0.4001

Tritanomaly

46.4355, 0.3347, 0.3485

Monochromacy



Original Color

46.7640, 0.3652, 0.4176

Achromatopsia

44.5201, 0.3127, 0.3290

Achromatomaly

45.3058, 0.3322, 0.3612

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.7640, 0.3652, 0.4176 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(185, 186, 119)` looks like.

```
.text, #text, p{  
    color:rgb(185, 186, 119)  
}
```

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(185, 186, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 186, 119) }
```

Border

The CSS property to change the border of an element to Yxy 46.7640, 0.3652, 0.4176 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(185, 186, 119) }
```

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

```
.border{ border-color:rgb(185, 186, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(185, 186, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 186, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 186, 119);  
box-shadow:4px 4px 4px 4px rgb(185, 186,  
119) }
```


Background

The CSS property to change the background color of an element to Yxy 46.7640, 0.3652, 0.4176 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 186, 119) }
```

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

```
.background{ background-color: rgb(185,  
186, 119) }
```

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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