

Converting Colors

$Y_{xy}(45.9360, 0.3635, 0.4038)$

Have a look what the booklet for
Yxy(45.9360, 0.3635, 0.4038)
contains.

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Color

Yxy(46.0647, 0.3637, 0.4043)

Conversions

Conversions Part 1

Format	Color
Hex	BCB77E
RGB	188, 183, 126
RGB Percent	74%, 72%, 49%
CMY	0.2627, 0.2823, 0.5060
CMYK	0.00, 0.03, 0.33, 0.26
HSL	55°, 32%, 62%
HSV	55°, 33%, 74%
XYZ	41.4389, 46.0647, 26.4334
YIQ	177.9970, 21.2770, -16.6670

Conversions

Conversions Part 2

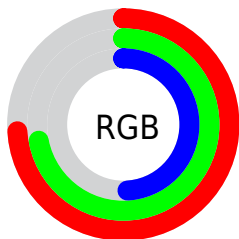
Format	Color
RYB	131, 188, 126
Decimal	12367742
CIELab	73.59, -7.02, 29.70
CIELCh	74, 30.514, 103.298
Yxy	46.0647, 0.3637, 0.4043
Android (android.graphics.Color)	4290557822 (0xFFBCB77E)
YUV	177.9970, -25.6345, 8.7726
Hunter-Lab	67.8710, -9.7904, 24.4183

Details

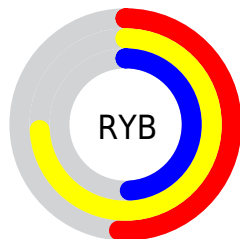
The Yxy color $46.0647, 0.3637, 0.4043$ is a light color, and the websafe version is hex `CCCC99`. A complement of this color would be $24.2900, 0.2554, 0.2405$, and the grayscale version is $44.6493, 0.3127, 0.3290$.

A 20% lighter version of the original color is $84.4002, 0.3550, 0.3908$, and $21.5554, 0.3774, 0.4255$ is the 20% darker color. If you saturate the color by 10%, you get $45.0034, 0.3792, 0.4263$, and if you desaturate by 10%, it is $47.2281, 0.3479, 0.3813$.

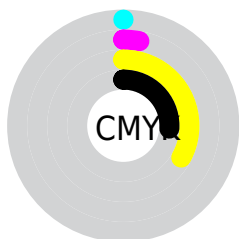
Distribution



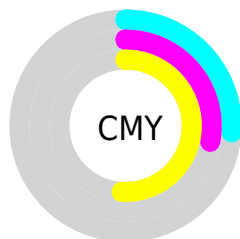
- Red (74%)
- Green (72%)
- Blue (49%)



- Red (51%)
- Yellow (74%)
- Blue (49%)



- Cyan (0%)
- Magenta (3%)
- Yellow (33%)
- Black (26%)



- Cyan (26%)
- Magenta (28%)
- Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.0647, 0.3637, 0.4043 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 46.0647, 0.3637, 0.4043 by changing the saturation by 10% instead.


 46.0647, 0.3637,
0.4043

 46.0647, 0.3637,
0.4043


371.0687, 0.3388,
0.3664


 32.2969, 0.3696,
0.4137


 84.3158, 0.3549,
0.3905

 21.5884, 0.3768,
0.4257


 109.5679, 0.3515,
0.3853

 13.5547, 0.3860,
0.4413


 139.4169, 0.3486,
0.3810

 7.8116, 0.3976,
0.4624

174.2471, 0.3461,
0.3772

 3.9747, 0.4126,
0.4924

214.4430, 0.3439,
0.3740

 1.6594, 0.4451,
0.5549

260.3890, 0.3420,

 0.3972, 0.3417,

0.3711

0.6583

312.4694, 0.3403,
0.3686

0.0000, 0.0000,
0.0000

46.0647, 0.3637,
0.4043

46.0647, 0.3637,
0.4043

45.0034, 0.3792,
0.4263

47.2281, 0.3479,
0.3813

44.0329, 0.3937,
0.4464

48.4921, 0.3322,
0.3582

43.1496, 0.4067,
0.4637


49.8633, 0.3171,
0.3356


42.3470, 0.4175,
0.4773


51.3457, 0.3028,
0.3140


41.6181, 0.4258,
0.4867

52.9433, 0.2895,
0.2936

 40.9541, 0.4314,
0.4917

 54.6598, 0.2773,
0.2747

 40.5161, 0.4342,
0.4934

 56.3318, 0.2676,
0.2599

 57.0093, 0.2678,
0.2616

 57.6937, 0.2679,
0.2634

Harmonies

Analogous

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



46.0647, 0.3915, 0.3851



46.0647, 0.3637, 0.4043



46.0647, 0.3233, 0.4020

Triad

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



46.0647, 0.3637, 0.4043



46.0647, 0.2347, 0.2950



46.0647, 0.3411, 0.2883

Complementary

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



46.0647, 0.3637, 0.4043



24.2900, 0.2554, 0.2405

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.



46.0647, 0.2975, 0.2672



46.0647, 0.3637, 0.4043



46.0647, 0.2386, 0.2689

Square

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



46.0647, 0.3637, 0.4043



46.0647, 0.2499, 0.3343



46.0647, 0.2607, 0.2598



46.0647, 0.3788, 0.3191

Rectangle

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



46.0647, 0.3637, 0.4043



46.0647, 0.2950, 0.3866



46.0647, 0.2607, 0.2598



46.0647, 0.3265, 0.2800

Sweetspot

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



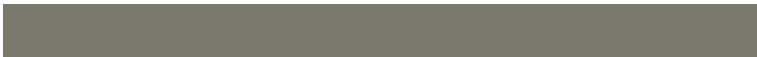
46.0668, 0.3637, 0.4043



88.5564, 0.3279, 0.3517



27.2480, 0.3817, 0.3220



18.9703, 0.3300, 0.3549



95.5105, 0.3127, 0.3290



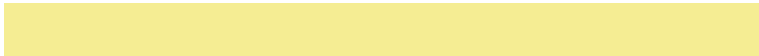
19.5994, 0.3127, 0.3290

Same Dimension

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



46.0668, 0.3637, 0.4043



81.9863, 0.3756, 0.4213



45.1756, 0.3385, 0.4169



10.9851, 0.3266, 0.3499



27.6326, 0.4340, 0.4936



1.1218, 0.4301, 0.4967

Inverse Universe

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



24.2900, 0.2554, 0.2405



36.1438, 0.2399, 0.2159



25.2019, 0.2790, 0.2388



9.3458, 0.2984, 0.3072



2.7539, 0.1517, 0.0661



0.1505, 0.1579, 0.0883

Previews

White Background



This preview shows how the Yxy color 46.0647, 0.3637, 0.4043 looks on a white background.

Color Contrast Check

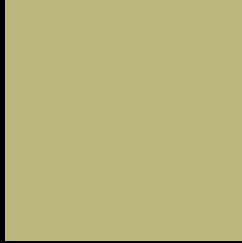
Large Text (above 18pt) WCAG AA × Fail

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 46.0647, 0.3637, 0.4043 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

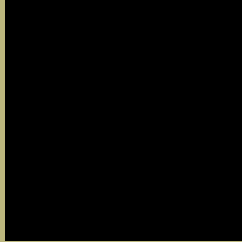
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

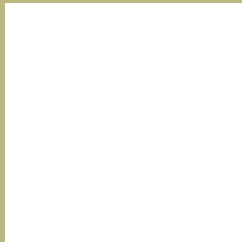
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 46.0647, 0.3637, 0.4043

Background



This preview shows how black text looks on a background with the Yxy color 46.0647, 0.3637, 0.4043.



This preview shows how white text looks on a background with the Yxy color 46.0647, 0.3637, 0.4043.

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

46.0647, 0.3637, 0.4043

Protanopia

46.1305, 0.3718, 0.4014

Deuteranopia

45.8927, 0.3919, 0.3838



Tritanopia

45.9362, 0.3188, 0.3115

Trichromacy



Original Color

46.0647, 0.3637, 0.4043

Protanomaly

46.1430, 0.3686, 0.4034

Deuteranomaly

45.9557, 0.3814, 0.3919

Tritanomaly

45.8004, 0.3351, 0.3446

Monochromacy



Original Color

46.0647, 0.3637, 0.4043

Achromatopsia

44.5201, 0.3127, 0.3290

Achromatomaly

45.0908, 0.3316, 0.3571

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.0647, 0.3637, 0.4043 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(188, 183, 126)` looks like.

```
.text, #text, p{  
    color:rgb(188, 183, 126)  
}
```

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(188, 183, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 183, 126) }
```

Border

The CSS property to change the border of an element to Yxy 46.0647, 0.3637, 0.4043 is called "border". The border property can be set on classes, ids or directly on the HTML element.

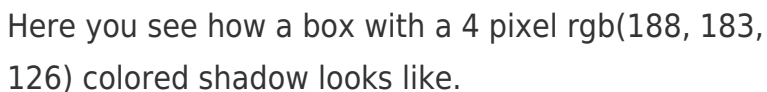
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(188, 183, 126) }
```

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

```
.border{ border-color:rgb(188, 183, 126) }
```

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



Here you see how a box with a 4 pixel `rgb(188, 183, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 183, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 183, 126);  
box-shadow:4px 4px 4px 4px rgb(188, 183,  
126) }
```


Background

The CSS property to change the background color of an element to Yxy 46.0647, 0.3637, 0.4043 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 183, 126) }
```

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

```
.background{ background-color: rgb(188,  
183, 126) }
```

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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