

Converting Colors

$Yxy(46.3284, 0.3680, 0.4132)$

Have a look what the booklet for
Yxy(46.3284, 0.3680, 0.4132)
contains.

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Color

Yxy(46.3284, 0.3680, 0.4132)

Conversions

Conversions Part 1

Format	Color
Hex	BCB878
RGB	188, 184, 120
RGB Percent	74%, 72%, 47%
CMY	0.2629, 0.2784, 0.5295
CMYK	0.00, 0.02, 0.36, 0.26
HSL	57°, 34%, 60%
HSV	57°, 36%, 74%
XYZ	41.2605, 46.3284, 24.5321
YIQ	177.9000, 22.9280, -19.0560

Conversions

Conversions Part 2

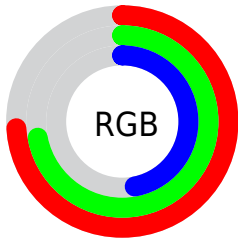
Format	Color
R_{YB}	124, 188, 120
Decimal	12367992
CIE _{Lab}	73.76, -8.30, 33.06
CIE _{LCh}	74, 34.082, 104.093
Yxy	46.3284, 0.3680, 0.4132
Android (android.graphics.Color)	4290558072 (0xFFBCB878)
YUV	177.9000, -28.5447, 8.8577
Hunter-Lab	68.0650, -10.9082, 26.2761

Details

The Yxy color **46.3284, 0.3680, 0.4132** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **22.0165, 0.2487, 0.2280**, and the grayscale version is **44.6072, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.7498, 0.3585, 0.3979**, and **21.7431, 0.3827, 0.4368** is the 20% darker color. If you saturate the color by 10%, you get **45.4678, 0.3828, 0.4351**, and if you desaturate by 10%, it is **47.2863, 0.3525, 0.3900**.

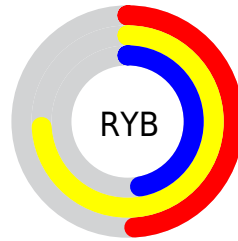
Distribution



Red (74%)

Green (72%)

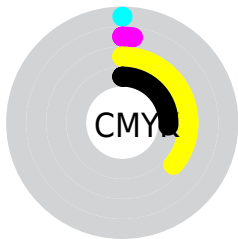
Blue (47%)



Red (49%)

Yellow (74%)

Blue (47%)

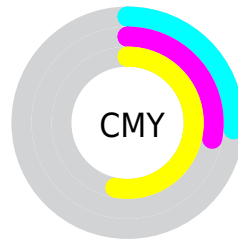


Cyan (0%)

Magenta (2%)

Yellow (36%)

Black (26%)



Cyan (26%)


Magenta (28%)


Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.3284, 0.3680, 0.4132 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 46.3284, 0.3680, 0.4132 by changing the saturation by 10% instead.


 46.3284, 0.3680,
0.4132


 46.3284, 0.3680,
0.4132


372.1274, 0.3413,
0.3708

 32.5050, 0.3742,
0.4236


 84.7103, 0.3586,
0.3979

 21.7476, 0.3818,
0.4368


 110.0376, 0.3550,
0.3921

 13.6715, 0.3911,
0.4540


 139.9683, 0.3519,
0.3872

 7.8926, 0.4026,
0.4768

174.8869, 0.3492,
0.3830

 4.0263, 0.4186,
0.5112

215.1777, 0.3468,
0.3793

 1.6883, 0.4375,
0.5625

261.2251, 0.3448,

 0.4160, 0.3167,

0.3762

0.6833

313.4135, 0.3429,
0.3733

0.0000, 0.0000,
0.0000

46.3284, 0.3680,
0.4132

46.3284, 0.3680,
0.4132

45.4678, 0.3828,
0.4351

47.2863, 0.3525,
0.3900

44.6928, 0.3964,
0.4547

48.3400, 0.3370,
0.3664

43.9998, 0.4081,
0.4711


49.4960, 0.3218,
0.3430


43.3822, 0.4175,
0.4837


50.7587, 0.3072,
0.3205

42.8323, 0.4243,
0.4919

52.1319, 0.2936,
0.2992

 42.3405, 0.4285,
0.4959

 53.6195, 0.2809,
0.2793

 42.1593, 0.4298,
0.4969

 55.2249, 0.2694,
0.2610

 55.9232, 0.2674,
0.2588

 56.4051, 0.2676,
0.2601

Harmonies

Analogous

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



46.3284, 0.3997, 0.3915



46.3284, 0.3680, 0.4132



46.3284, 0.3228, 0.4105

Triad

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



46.3284, 0.3680, 0.4132



46.3284, 0.2264, 0.2897



46.3284, 0.3455, 0.2848

Complementary

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



46.3284, 0.3680, 0.4132



22.0165, 0.2487, 0.2280

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.



46.3284, 0.2968, 0.2613



46.3284, 0.3680, 0.4132



46.3284, 0.2312, 0.2617

Square

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



46.3284, 0.3680, 0.4132



46.3284, 0.2423, 0.3333



46.3284, 0.2559, 0.2526



46.3284, 0.3873, 0.3186

Rectangle

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



46.3284, 0.3680, 0.4132



46.3284, 0.2914, 0.3928



46.3284, 0.2559, 0.2526



46.3284, 0.3292, 0.2755

Sweetspot

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



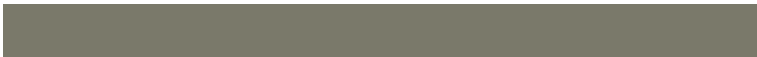
46.3305, 0.3680, 0.4132



88.6775, 0.3293, 0.3546



25.5837, 0.3927, 0.3229



19.0091, 0.3314, 0.3578



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.



46.3305, 0.3680, 0.4132



82.8179, 0.3793, 0.4299



44.6226, 0.3397, 0.4262



11.0233, 0.3266, 0.3504



28.7579, 0.4297, 0.4970



1.1555, 0.4270, 0.4992

Inverse Universe

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



22.0165, 0.2487, 0.2280



32.5591, 0.2331, 0.2029



23.4896, 0.2761, 0.2295



9.3116, 0.2984, 0.3067



2.6707, 0.1512, 0.0643



0.1353, 0.1557, 0.0806

Previews

White Background



This preview shows how the Yxy color 46.3284, 0.3680, 0.4132 looks on a white background.

Color Contrast Check

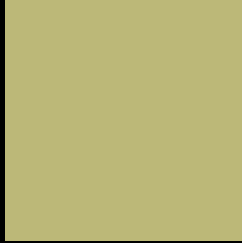
Large Text (above 18pt) WCAG AA × Fail

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 46.3284, 0.3680, 0.4132 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

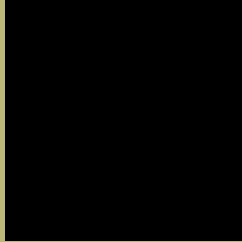
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

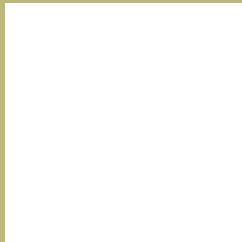
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 46.3284, 0.3680, 0.4132

Background



This preview shows how black text looks on a background with the Yxy color 46.3284, 0.3680, 0.4132.



This preview shows how white text looks on a background with the Yxy color 46.3284, 0.3680, 0.4132.

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

46.3284, 0.3680, 0.4132

Protanopia

46.2500, 0.3786, 0.4084

Deuteranopia

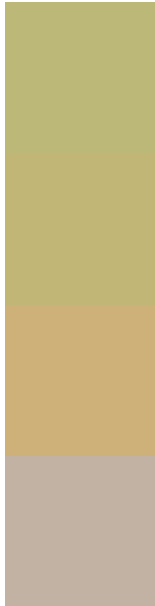
46.0440, 0.3991, 0.3904



Tritanopia

46.0698, 0.3197, 0.3115

Trichromacy



Original Color

46.3284, 0.3680, 0.4132

Protanomaly

46.2571, 0.3753, 0.4104

Deuteranomaly

45.9466, 0.3875, 0.3989

Tritanomaly

45.8586, 0.3377, 0.3472

Monochromacy



Original Color

46.3284, 0.3680, 0.4132

Achromatopsia

44.5201, 0.3127, 0.3290

Achromatomaly

45.0219, 0.3333, 0.3599

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.3284, 0.3680, 0.4132 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, 184, 120)` looks like.

```
.text, #text, p{  
    color:rgb(188, 184, 120)  
}
```

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, 184, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 184, 120) }
```

Border

The CSS property to change the border of an element to Yxy 46.3284, 0.3680, 0.4132 is called "border". The border property can be set on classes, ids or directly on the HTML element.

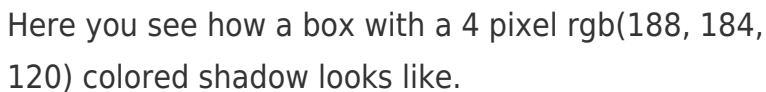
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(188, 184, 120) }
```

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

```
.border{ border-color:rgb(188, 184, 120) }
```

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



Here you see how a box with a 4 pixel `rgb(188, 184, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(188, 184, 120); -webkit-box-shadow:4px 4px 4px 4px rgb(188, 184, 120); box-shadow:4px 4px 4px 4px rgb(188, 184, 120) }
```


Background

The CSS property to change the background color of an element to Yxy 46.3284, 0.3680, 0.4132 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 184, 120) }
```

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

```
.background{ background-color: rgb(188,  
184, 120) }
```

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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