

Converting Colors

Yxy(46.4949, 0.3280, 0.3668)

Have a look what the booklet for
Yxy(46.4949, 0.3280, 0.3668)
contains.

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Color

Yxy(46.4794, 0.3280, 0.3668)

Conversions

Conversions Part 1

Format	Color
Hex	B1B99D
RGB	177, 185, 157
RGB Percent	69%, 73%, 62%
CMY	0.3059, 0.2745, 0.3844
CMYK	0.04, 0.00, 0.15, 0.27
HSL	77°, 17%, 67%
HSV	77°, 15%, 73%
XYZ	41.5628, 46.4794, 38.6737
YIQ	179.4160, 4.2200, -10.4040

Conversions

Conversions Part 2

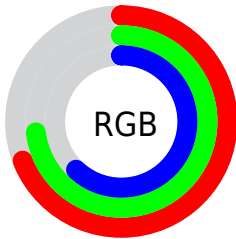
Format	Color
RYB	157, 185, 165
Decimal	11647389
CIELab	73.86, -7.80, 13.28
CIELCh	74, 15.403, 120.407
Yxy	46.4794, 0.3280, 0.3668
Android (android.graphics.Color)	4289837469 (0xFFB1B99D)
YUV	179.4160, -11.0511, -2.1188
Hunter-Lab	68.1758, -10.4866, 14.0900

Details

The Yxy color **46.4794, 0.3280, 0.3668** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **35.6144, 0.2958, 0.2900**, and the grayscale version is **45.3708, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.9877, 0.3252, 0.3593**, and **21.8282, 0.3314, 0.3774** is the 20% darker color. If you saturate the color by 10%, you get **45.2865, 0.3381, 0.3934**, and if you desaturate by 10%, it is **47.7962, 0.3179, 0.3414**.

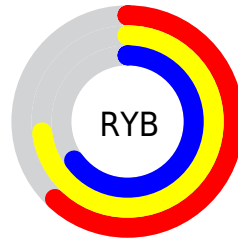
Distribution



Red (69%)

Green (73%)

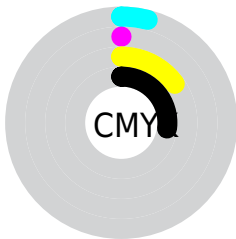
Blue (62%)



Red (62%)

Yellow (73%)

Blue (65%)

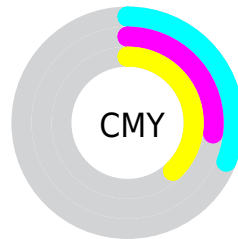


Cyan (4%)

Magenta (0%)

Yellow (15%)

Black (27%)



Cyan (31%)


Magenta (27%)


Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.4794, 0.3280, 0.3668 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 46.4794, 0.3280, 0.3668 by changing the saturation by 10% instead.

 46.4794, 0.3280,
0.3668

 46.4794, 0.3280,
0.3668


372.7327, 0.3205,
0.3476

 32.6243, 0.3298,
0.3717


 84.9360, 0.3253,
0.3598

 21.8388, 0.3321,
0.3780


 110.3063, 0.3243,
0.3571

 13.7385, 0.3351,
0.3865


140.2838, 0.3234,
0.3549

 7.9390, 0.3391,
0.3986

175.2528, 0.3227,
0.3530

 4.0559, 0.3448,
0.4169

215.5978, 0.3220,
0.3514

 1.7049, 0.3545,
0.4499

261.7032, 0.3215,

 0.4268, 0.3354,

0.3500

0.6646

313.9534, 0.3210,
0.3487

0.0000, 0.0000,
0.0000

46.4794, 0.3280,
0.3668

46.4794, 0.3280,
0.3668

45.2865, 0.3381,
0.3934

47.7962, 0.3179,
0.3414

44.2069, 0.3477,
0.4205

49.2351, 0.3079,
0.3177

43.2377, 0.3564,
0.4474

50.8022, 0.2984,
0.2957

42.3736, 0.3636,
0.4729

52.5013, 0.2894,
0.2757

41.6088, 0.3690,
0.4960

54.3361, 0.2810,
0.2575

■ 40.9367, 0.3721,
0.5155

■ 55.4446, 0.2812,
0.2530

■ 40.3500, 0.3727,
0.5305

■ 56.2293, 0.2851,
0.2538

■ 39.8394, 0.3709,
0.5408

■ 57.0399, 0.2890,
0.2547

■ 39.6098, 0.3696,
0.5448

■ 57.8767, 0.2929,
0.2555

Harmonies

Analogous

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



46.4794, 0.3460, 0.3643



46.4794, 0.3280, 0.3668



46.4794, 0.3064, 0.3582

Triad

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



46.4794, 0.3280, 0.3668



46.4794, 0.2720, 0.3038



46.4794, 0.3387, 0.3170

Complementary

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



46.4794, 0.3280, 0.3668



35.6144, 0.2958, 0.2900

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.



46.4794, 0.3180, 0.3021



46.4794, 0.3280, 0.3668



46.4794, 0.2799, 0.2943

Square

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



46.4794, 0.3280, 0.3668



46.4794, 0.2746, 0.3208



46.4794, 0.2965, 0.2939



46.4794, 0.3524, 0.3351

Rectangle

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



46.4794, 0.3280, 0.3668



46.4794, 0.2928, 0.3474



46.4794, 0.2965, 0.2939



46.4794, 0.3323, 0.3115

Sweetspot

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



46.4814, 0.3280, 0.3668



85.6080, 0.3178, 0.3413



39.6340, 0.3390, 0.3398



18.4184, 0.3185, 0.3430



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



46.4814, 0.3280, 0.3668



82.5413, 0.3312, 0.3751



44.9290, 0.3160, 0.3682



10.3707, 0.3221, 0.3519



27.0059, 0.3702, 0.5443



0.9818, 0.3834, 0.5338

Inverse Universe

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



35.6144, 0.2958, 0.2900



59.5459, 0.2919, 0.2811



37.1900, 0.3087, 0.2915



8.8407, 0.3028, 0.3057



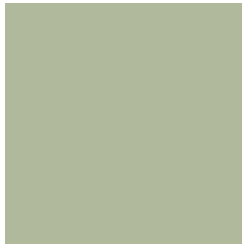
2.9327, 0.1697, 0.0708



0.1359, 0.1994, 0.0872

Previews

White Background



This preview shows how the Yxy color 46.4794, 0.3280, 0.3668 looks on a white background.

Color Contrast Check

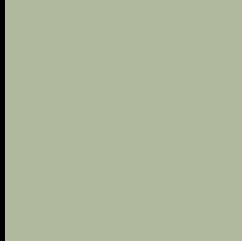
Large Text (above 18pt) WCAG AA × Fail

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 46.4794, 0.3280, 0.3668 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

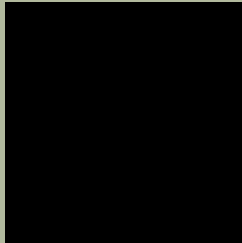
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

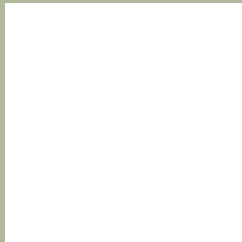
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 46.4794, 0.3280, 0.3668

Background



This preview shows how black text looks on a background with the Yxy color 46.4794, 0.3280, 0.3668.



This preview shows how white text looks on a background with the Yxy color 46.4794, 0.3280, 0.3668.

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

46.4794, 0.3280, 0.3668

Protanopia

46.4907, 0.3429, 0.3630

Deuteranopia

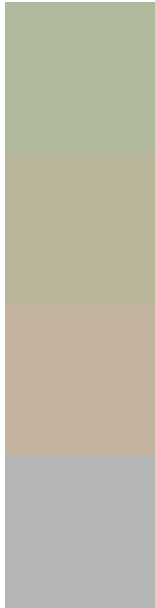
46.4285, 0.3557, 0.3490



Tritanopia

46.4826, 0.3034, 0.3110

Trichromacy



Original Color

46.4794, 0.3280, 0.3668

Protanomaly

46.2953, 0.3374, 0.3634

Deuteranomaly

46.4446, 0.3454, 0.3561

Tritanomaly

46.4954, 0.3118, 0.3303

Monochromacy



Original Color

46.4794, 0.3280, 0.3668

Achromatopsia

45.0786, 0.3127, 0.3290

Achromatomaly

45.4530, 0.3181, 0.3424

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.4794, 0.3280, 0.3668 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(177, 185, 157)` looks like.

```
.text, #text, p{  
    color:rgb(177, 185, 157)  
}
```

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(177, 185, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 185, 157) }
```

Border

The CSS property to change the border of an element to Yxy 46.4794, 0.3280, 0.3668 is called "border". The border property can be set on classes, ids or directly on the HTML element.

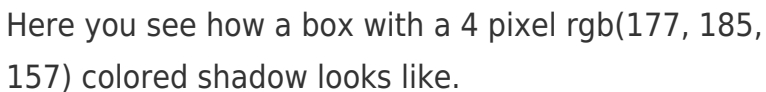
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(177, 185, 157) }
```

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

```
.border{ border-color:rgb(177, 185, 157) }
```

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



Here you see how a box with a 4 pixel `rgb(177, 185, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 185, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 185, 157);  
box-shadow:4px 4px 4px 4px rgb(177, 185,  
157) }
```


Background

The CSS property to change the background color of an element to Yxy 46.4794, 0.3280, 0.3668 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 185, 157) }
```

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

```
.background{ background-color: rgb(177,  
185, 157) }
```

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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