

Converting Colors

$Yxy(48.3026, 0.3370, 0.3663)$

Have a look what the booklet for
Yxy(48.3026, 0.3370, 0.3663)
contains.

Yxy(48.2778, 0.3367, 0.3655)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(48.2778, 0.3367, 0.3655)

Conversions

Conversions Part 1

Format	Color
Hex	BCBA9E
RGB	188, 186, 158
RGB Percent	74%, 73%, 62%
CMY	0.2627, 0.2706, 0.3803
CMYK	0.00, 0.01, 0.16, 0.26
HSL	56°, 18%, 68%
HSV	56°, 16%, 74%
XYZ	44.4737, 48.2778, 39.3355
YIQ	183.4060, 10.1800, -8.2840

Conversions

Conversions Part 2

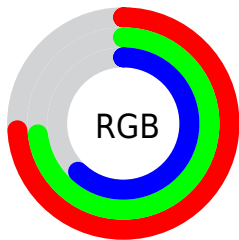
Format	Color
RYB	160, 188, 158
Decimal	12368542
CIELab	75.00, -4.07, 14.45
CIELCh	75, 15.016, 105.718
Yxy	48.2778, 0.3367, 0.3655
Android (android.graphics.Color)	4290558622 (0xFFBCBA9E)
YUV	183.4060, -12.5252, 4.0289
Hunter-Lab	69.4822, -7.3409, 15.0721

Details

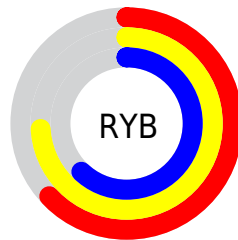
The Yxy color **48.2778, 0.3367, 0.3655** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **36.0607, 0.2873, 0.2897**, and the grayscale version is **47.6574, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.5415, 0.3320, 0.3585**, and **22.9875, 0.3433, 0.3753** is the 20% darker color. If you saturate the color by 10%, you get **47.1513, 0.3523, 0.3889**, and if you desaturate by 10%, it is **49.5123, 0.3215, 0.3424**.

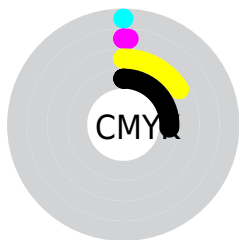
Distribution



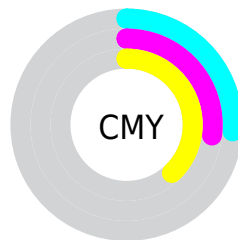
- Red (74%)
- Green (73%)
- Blue (62%)



- Red (63%)
- Yellow (74%)
- Blue (62%)



- Cyan (0%)
- Magenta (1%)
- Yellow (16%)
- Black (26%)




- Cyan (26%)
- Magenta (27%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.2778, 0.3367, 0.3655 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 48.2778, 0.3367, 0.3655 by changing the saturation by 10% instead.


 48.2778, 0.3367,
0.3655

 48.2778, 0.3367,
0.3655


379.8922, 0.3249,
0.3472

 34.0469, 0.3396,
0.3701


 87.6179, 0.3324,
0.3588

 22.9297, 0.3433,
0.3759


 113.4959, 0.3308,
0.3563

 14.5416, 0.3481,
0.3838

144.0250, 0.3295,
0.3542

 8.4983, 0.3546,
0.3946

179.5898, 0.3283,
0.3524

 4.4154, 0.3641,
0.4108

220.5745, 0.3273,
0.3509

 1.9085, 0.3793,
0.4378

267.3635, 0.3264,

 0.5535, 0.4354,

0.3495

0.5646

320.3413, 0.3256,
0.3483

0.0000, 0.0000,
0.0000

48.2778, 0.3367,
0.3655

48.2778, 0.3367,
0.3655

47.1513, 0.3523,
0.3889

49.5123, 0.3215,
0.3424

46.1219, 0.3679,
0.4120

50.8527, 0.3069,
0.3201

45.1870, 0.3829,
0.4338

52.3050, 0.2933,
0.2990

44.3412, 0.3968,
0.4533

53.8731, 0.2807,
0.2794

43.5788, 0.4088,
0.4697

55.5604, 0.2692,
0.2613

■ 42.8931, 0.4185,
0.4823

■ 56.3079, 0.2676,
0.2598

■ 42.2766, 0.4256,
0.4905

■ 56.8708, 0.2677,
0.2613

■ 41.7197, 0.4301,
0.4945

■ 57.4385, 0.2679,
0.2628

■ 41.5027, 0.4316,
0.4955

■ 58.0110, 0.2680,
0.2642

Harmonies

Analogous

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



48.2778, 0.3503, 0.3583



48.2778, 0.3367, 0.3655



48.2778, 0.3169, 0.3624

Triad

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



48.2778, 0.3367, 0.3655



48.2778, 0.2734, 0.3121



48.2778, 0.3284, 0.3098

Complementary

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



48.2778, 0.3367, 0.3655



36.0607, 0.2873, 0.2897

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.



48.2778, 0.3074, 0.2983



48.2778, 0.3367, 0.3655



48.2778, 0.2762, 0.2990

Square

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



48.2778, 0.3367, 0.3655



48.2778, 0.2807, 0.3306



48.2778, 0.2884, 0.2942



48.2778, 0.3456, 0.3262

Rectangle

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



48.2778, 0.3367, 0.3655



48.2778, 0.3030, 0.3547



48.2778, 0.2884, 0.2942



48.2778, 0.3216, 0.3053

Sweetspot

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



48.2799, 0.3367, 0.3655



89.9227, 0.3202, 0.3404



37.7138, 0.3400, 0.3257



19.3021, 0.3212, 0.3420



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.



48.2799, 0.3367, 0.3655



86.7786, 0.3419, 0.3734



47.6157, 0.3255, 0.3694



11.0078, 0.3266, 0.3502



28.2966, 0.4314, 0.4957



1.1417, 0.4282, 0.4982

Inverse Universe

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



36.0607, 0.2873, 0.2897



60.5910, 0.2813, 0.2804



36.7001, 0.2984, 0.2881



9.3255, 0.2984, 0.3069



2.7028, 0.1514, 0.0650



0.1414, 0.1566, 0.0838

Previews

White Background



This preview shows how the Yxy color 48.2778, 0.3367, 0.3655 looks on a white background.

Color Contrast Check

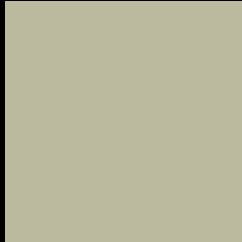
Large Text (above 18pt) WCAG AA × Fail

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 48.2778, 0.3367, 0.3655 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

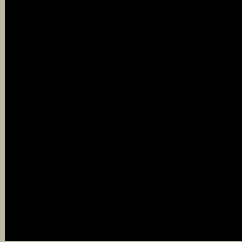
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

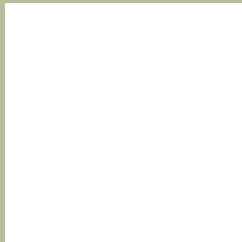
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 48.2778, 0.3367, 0.3655

Background



This preview shows how black text looks on a background with the Yxy color 48.2778, 0.3367, 0.3655.



This preview shows how white text looks on a background with the Yxy color 48.2778, 0.3367, 0.3655.

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

48.2778, 0.3367, 0.3655

Protanopia

48.1846, 0.3433, 0.3638

Deuteranopia

48.2277, 0.3577, 0.3512



Tritanopia

48.3253, 0.3118, 0.3116

Trichromacy



Original Color

48.2778, 0.3367, 0.3655

Protanomaly

48.3387, 0.3413, 0.3652

Deuteranomaly

48.2475, 0.3505, 0.3567

Tritanomaly

48.3207, 0.3203, 0.3303

Monochromacy



Original Color

48.2778, 0.3367, 0.3655

Achromatopsia

47.3531, 0.3127, 0.3290

Achromatomaly

47.6513, 0.3215, 0.3420

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.2778, 0.3367, 0.3655 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, 186, 158)` looks like.

```
.text, #text, p{  
    color:rgb(188, 186, 158)  
}
```

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, 186, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 186, 158) }
```

Border

The CSS property to change the border of an element to Yxy 48.2778, 0.3367, 0.3655 is called "border". The border property can be set on classes, ids or directly on the HTML element.

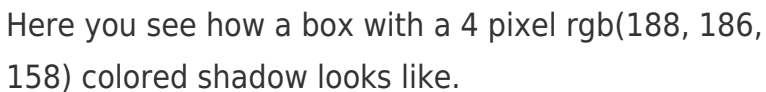
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(188, 186, 158) }
```

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

```
.border{ border-color:rgb(188, 186, 158) }
```

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



Here you see how a box with a 4 pixel `rgb(188, 186, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(188, 186, 158); -webkit-box-shadow:4px 4px 4px 4px rgb(188, 186, 158); box-shadow:4px 4px 4px 4px rgb(188, 186, 158) }
```


Background

The CSS property to change the background color of an element to Yxy 48.2778, 0.3367, 0.3655 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 186, 158) }
```

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

```
.background{ background-color: rgb(188,  
186, 158) }
```

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