

Converting Colors

$Yxy(48.8533, 0.3312, 0.3660)$

Have a look what the booklet for
Yxy(48.8533, 0.3312, 0.3660)
contains.

Yxy(48.6949, 0.3312, 0.3658)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(48.6949, 0.3312, 0.3658)

Conversions

Conversions Part 1

Format	Color
Hex	B8BCA0
RGB	184, 188, 160
RGB Percent	72%, 74%, 63%
CMY	0.2786, 0.2627, 0.3725
CMYK	0.02, 0.00, 0.15, 0.26
HSL	69°, 17%, 68%
HSV	69°, 15%, 74%
XYZ	44.0890, 48.6949, 40.3350
YIQ	183.6120, 6.6040, -9.5560

Conversions

Conversions Part 2

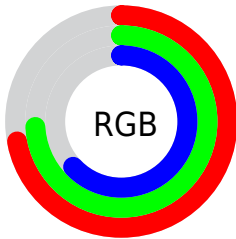
Format	Color
RYB	160, 188, 164
Decimal	12106912
CIELab	75.26, -6.32, 13.71
CIELCh	75, 15.094, 114.740
Yxy	48.6949, 0.3312, 0.3658
Android (android.graphics.Color)	4290296992 (0xFFB8BCA0)
YUV	183.6120, -11.6407, 0.3403
Hunter-Lab	69.7817, -9.3395, 14.5766

Details

The Yxy color **48.6949, 0.3312, 0.3658** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **36.6740, 0.2926, 0.2902**, and the grayscale version is **47.7686, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.1329, 0.3278, 0.3586**, and **23.2360, 0.3368, 0.3775** is the 20% darker color. If you saturate the color by 10%, you get **47.7552, 0.3437, 0.3915**, and if you desaturate by 10%, it is **49.7449, 0.3187, 0.3408**.

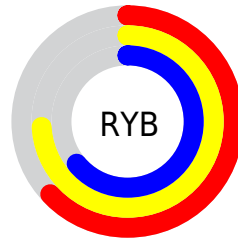
Distribution



Red (72%)

Green (74%)

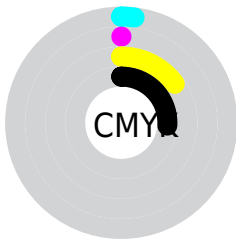
Blue (63%)



Red (63%)

Yellow (74%)

Blue (64%)

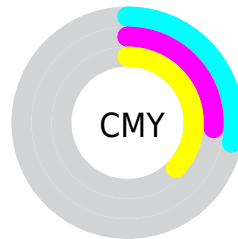


Cyan (2%)

Magenta (0%)

Yellow (15%)

Black (26%)



Cyan (28%)


Magenta (26%)

Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.6949, 0.3312, 0.3658 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 48.6949, 0.3312, 0.3658 by changing the saturation by 10% instead.


 48.6949, 0.3312,
0.3658


 48.6949, 0.3312,
0.3658

381.5400, 0.3222,
0.3473

 34.3775, 0.3334,
0.3704


 88.2381, 0.3280,
0.3591

 23.1838, 0.3362,
0.3764

 114.2328, 0.3267,
0.3565

 14.7293, 0.3398,
0.3844


144.8887, 0.3257,
0.3544

 8.6296, 0.3446,
0.3956

180.5901, 0.3248,
0.3526

 4.5004, 0.3516,
0.4123

221.7216, 0.3240,
0.3510

 1.9572, 0.3620,
0.4399

268.6675, 0.3233,

 0.5824, 0.4068,

0.3496

0.5932

321.8121, 0.3227,
0.3484

0.0000, 0.0000,
0.0000

48.6949, 0.3312,
0.3658

48.6949, 0.3312,
0.3658

47.7552, 0.3437,
0.3915

49.7449, 0.3187,
0.3408

46.9149, 0.3559,
0.4174

50.9029, 0.3066,
0.3171

46.1712, 0.3672,
0.4423

52.1750, 0.2950,
0.2949

45.5189, 0.3770,
0.4655

53.5652, 0.2842,
0.2744

44.9523, 0.3850,
0.4858

55.0768, 0.2741,
0.2557

■ 44.4648, 0.3906,
0.5024

■ 55.5122, 0.2754,
0.2551

■ 44.0491, 0.3937,
0.5146

■ 55.8909, 0.2773,
0.2555

■ 43.6958, 0.3943,
0.5224

■ 56.2763, 0.2793,
0.2559

■ 43.5300, 0.3940,
0.5254

■ 56.6685, 0.2812,
0.2563

Harmonies

Analogous

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



48.6949, 0.3472, 0.3615



48.6949, 0.3312, 0.3658



48.6949, 0.3106, 0.3595

Triad

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



48.6949, 0.3312, 0.3658



48.6949, 0.2731, 0.3073



48.6949, 0.3343, 0.3143

Complementary

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



48.6949, 0.3312, 0.3658



36.6740, 0.2926, 0.2902

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.



48.6949, 0.3138, 0.3010



48.6949, 0.3312, 0.3658



48.6949, 0.2789, 0.2966

Square

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



48.6949, 0.3312, 0.3658



48.6949, 0.2775, 0.3247



48.6949, 0.2936, 0.2945



48.6949, 0.3492, 0.3315

Rectangle

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



48.6949, 0.3312, 0.3658



48.6949, 0.2971, 0.3500



48.6949, 0.2936, 0.2945



48.6949, 0.3278, 0.3093

Sweetspot

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



48.6970, 0.3312, 0.3658



90.3054, 0.3177, 0.3388



39.6898, 0.3394, 0.3341



19.3872, 0.3186, 0.3406



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.



48.6970, 0.3312, 0.3658



87.6389, 0.3355, 0.3745



47.0882, 0.3195, 0.3672



11.0487, 0.3243, 0.3518



29.6569, 0.3943, 0.5251



1.1811, 0.4007, 0.5201

Inverse Universe

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



36.6740, 0.2926, 0.2902



61.5124, 0.2874, 0.2805



38.2101, 0.3049, 0.2916



9.2898, 0.3006, 0.3054



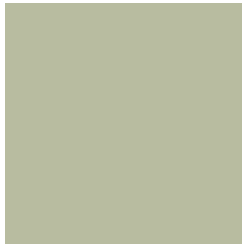
2.6528, 0.1564, 0.0635



0.1254, 0.1750, 0.0738

Previews

White Background



This preview shows how the Yxy color 48.6949, 0.3312, 0.3658 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 48.6949, 0.3312, 0.3658 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

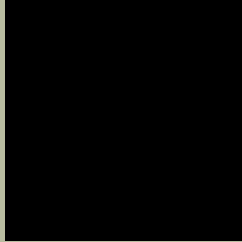
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

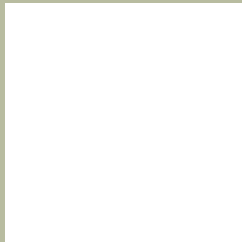
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 48.6949, 0.3312, 0.3658

Background



This preview shows how black text looks on a background with the Yxy color 48.6949, 0.3312, 0.3658.



This preview shows how white text looks on a background with the Yxy color 48.6949, 0.3312, 0.3658.

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

48.6949, 0.3312, 0.3658

Protanopia

48.7686, 0.3431, 0.3636

Deuteranopia

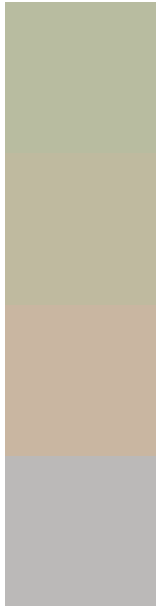
48.2983, 0.3560, 0.3487



Tritanopia

48.7170, 0.3069, 0.3115

Trichromacy



Original Color

48.6949, 0.3312, 0.3658

Protanomaly

48.6974, 0.3386, 0.3639

Deuteranomaly

48.4466, 0.3467, 0.3555

Tritanomaly

48.7234, 0.3152, 0.3303

Monochromacy



Original Color

48.6949, 0.3312, 0.3658

Achromatopsia

47.9320, 0.3127, 0.3290

Achromatomaly

47.9834, 0.3197, 0.3420

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.6949, 0.3312, 0.3658 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(184, 188, 160)` looks like.

```
.text, #text, p{  
    color:rgb(184, 188, 160)  
}
```

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(184, 188, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 188, 160) }
```

Border

The CSS property to change the border of an element to Yxy 48.6949, 0.3312, 0.3658 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(184, 188, 160) }
```

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

```
.border{ border-color:rgb(184, 188, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 188, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 188, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 188, 160);  
box-shadow:4px 4px 4px 4px rgb(184, 188,  
160) }
```


Background

The CSS property to change the background color of an element to Yxy 48.6949, 0.3312, 0.3658 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 188, 160) }
```

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

```
.background{ background-color: rgb(184,  
188, 160) }
```

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