

Converting Colors

$Yxy(48.7723, 0.3607, 0.4084)$

Have a look what the booklet for
Yxy(48.7723, 0.3607, 0.4084)
contains.

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Color

Yxy(48.7725, 0.3608, 0.4084)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | BDBD80 |
| RGB | 189, 189, 128 |
| RGB Percent | 74%, 74%, 50% |
| CMY | 0.2586, 0.2589, 0.4981 |
| CMYK | 0.00, 0.00, 0.32, 0.26 |
| HSL | 60°, 32%, 62% |
| HSV | 60°, 32%, 74% |
| XYZ | 43.0879, 48.7725, 27.5629 |
| YIQ | 182.0460, 19.5810, -18.9710 |

Conversions

Conversions Part 2

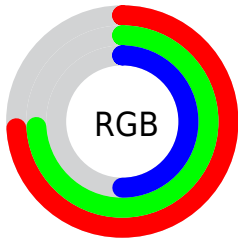
| Format | Color |
|-------------------------------------|-------------------------------|
| RYB | 128, 189, 128 |
| Decimal | 12434816 |
| CIELab | 75.31, -9.48, 30.91 |
| CIELCh | 75, 32.333, 107.045 |
| Yxy | 48.7725, 0.3608, 0.4084 |
| Android (android.graphics.Color) | 4290624896 (0xFFBDBD80) |
| YUV | 182.0460, -26.6447, 6.0987 |
| Hunter-Lab | 69.8373, -12.0851, 25.4859 |

Details

The Yxy color **48.7725, 0.3608, 0.4084** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **23.7157, 0.2558, 0.2350**, and the grayscale version is **46.9493, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.2338, 0.3530, 0.3942**, and **23.3093, 0.3727, 0.4307** is the 20% darker color. If you saturate the color by 10%, you get **48.3154, 0.3750, 0.4319**, and if you desaturate by 10%, it is **49.3267, 0.3459, 0.3838**.

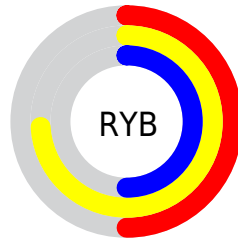
Distribution



Red (74%)

Green (74%)

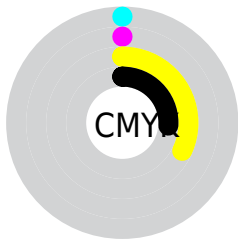
Blue (50%)



Red (50%)

Yellow (74%)

Blue (50%)

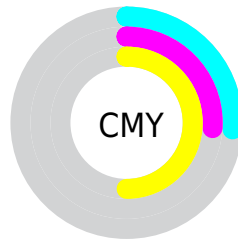


Cyan (0%)

Magenta (0%)

Yellow (32%)

Black (26%)



Cyan (26%)


Magenta (26%)

Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 48.7725, 0.3608, 0.4084 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 48.7725, 0.3608, 0.4084 by changing the saturation by 10% instead.


 48.7725, 0.3608,
0.4084


 48.7725, 0.3608,
0.4084

381.8460, 0.3377,
0.3686

 34.4390, 0.3661,
0.4182


 88.3535, 0.3527,
0.3940

 23.2311, 0.3726,
0.4307


 114.3698, 0.3496,
0.3886

 14.7642, 0.3807,
0.4469


 145.0492, 0.3469,
0.3840

 8.6541, 0.3907,
0.4688

180.7760, 0.3446,
0.3800

 4.5163, 0.4026,
0.4991

221.9347, 0.3426,
0.3766

 1.9663, 0.4331,
0.5669

268.9097, 0.3408,

 0.5878, 0.3577,

0.3736

0.6423

322.0853, 0.3392,
0.3709

0.0000, 0.0000,
0.0000

48.7725, 0.3608,
0.4084

48.7725, 0.3608,
0.4084

48.3154, 0.3750,
0.4319

49.3267, 0.3459,
0.3838

47.9437, 0.3879,
0.4532

49.9762, 0.3308,
0.3589

47.6540, 0.3990,
0.4715


50.7277, 0.3160,
0.3345


47.4398, 0.4079,
0.4861

51.5853, 0.3018,
0.3110

47.2940, 0.4141,
0.4964


52.5529, 0.2885,
0.2890


 47.2078, 0.4179,
0.5025

 53.6342, 0.2761,
0.2685

 47.1692, 0.4195,
0.5051

 54.4851, 0.2678,
0.2548

 54.4920, 0.2678,
0.2548

 54.4990, 0.2678,
0.2548

Harmonies

Analogous

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



48.7725, 0.3920, 0.3905



48.7725, 0.3608, 0.4084



48.7725, 0.3180, 0.4029

Triad

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



48.7725, 0.3608, 0.4084



48.7725, 0.2313, 0.2893



48.7725, 0.3477, 0.2904

Complementary

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



48.7725, 0.3608, 0.4084



23.7157, 0.2558, 0.2350

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.



48.7725, 0.3024, 0.2670



48.7725, 0.3608, 0.4084



48.7725, 0.2377, 0.2645

Square

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



48.7725, 0.3608, 0.4084



48.7725, 0.2445, 0.3288



48.7725, 0.2627, 0.2574



48.7725, 0.3851, 0.3230

Rectangle

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



48.7725, 0.3608, 0.4084



48.7725, 0.2889, 0.3849



48.7725, 0.2627, 0.2574



48.7725, 0.3328, 0.2813

Sweetspot

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



48.7747, 0.3608, 0.4084



89.7320, 0.3276, 0.3536



27.8470, 0.3847, 0.3278



19.2578, 0.3297, 0.3571



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.



48.7747, 0.3608, 0.4084



86.6914, 0.3713, 0.4258



45.3987, 0.3344, 0.4159



11.1191, 0.3264, 0.3517



31.7209, 0.4195, 0.5051



1.2430, 0.4194, 0.5052

Inverse Universe

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



23.7157, 0.2558, 0.2350



34.6256, 0.2405, 0.2096



26.3320, 0.2839, 0.2419



9.2267, 0.2984, 0.3053



2.4750, 0.1500, 0.0601



0.0974, 0.1501, 0.0603

Previews

White Background



This preview shows how the Yxy color 48.7725, 0.3608, 0.4084 looks on a white background.

Color Contrast Check

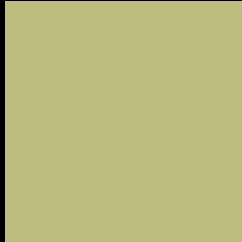
Large Text (above 18pt) WCAG AA × Fail

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 48.7725, 0.3608, 0.4084 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

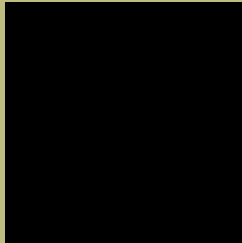
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 48.7725, 0.3608, 0.4084

Background



This preview shows how black text looks on a background with the Yxy color 48.7725, 0.3608, 0.4084.



This preview shows how white text looks on a background with the Yxy color 48.7725, 0.3608, 0.4084.

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

48.7725, 0.3608, 0.4084

Protanopia

48.6218, 0.3749, 0.4033

Deuteranopia

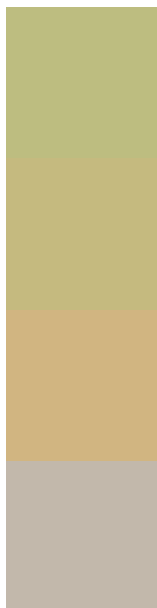
48.4281, 0.3939, 0.3848



Tritanopia

48.8582, 0.3152, 0.3118

Trichromacy



Original Color

48.7725, 0.3608, 0.4084

Protanomaly

48.5204, 0.3700, 0.4042

Deuteranomaly

48.1880, 0.3817, 0.3931

Tritanomaly

48.6906, 0.3317, 0.3456

Monochromacy



Original Color

48.7725, 0.3608, 0.4084

Achromatopsia

46.7784, 0.3127, 0.3290

Achromatomaly

47.6208, 0.3310, 0.3592

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.7725, 0.3608, 0.4084 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(189, 189, 128)` looks like.

```
.text, #text, p{  
    color:rgb(189, 189, 128)  
}
```

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(189, 189, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 189, 128) }
```

Border

The CSS property to change the border of an element to Yxy 48.7725, 0.3608, 0.4084 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(189, 189, 128) }
```

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

```
.border{ border-color:rgb(189, 189, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 189, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 189, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 189, 128);  
box-shadow:4px 4px 4px 4px rgb(189, 189,  
128) }
```


Background

The CSS property to change the background color of an element to Yxy 48.7725, 0.3608, 0.4084 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 189, 128) }
```

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

```
.background{ background-color: rgb(189,  
189, 128) }
```

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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