

# Converting Colors

$Yxy(48.8971, 0.3300, 0.3530)$

Have a look what the booklet for  
Yxy(48.8971, 0.3300, 0.3530)  
contains.

<b>Yxy(48.7638, 0.3295, 0.3523)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(48.7638, 0.3295, 0.3523)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BDBAA8
RGB	189, 186, 168
RGB Percent	74%, 73%, 66%
CMY	0.2589, 0.2705, 0.3413
CMYK	0.00, 0.02, 0.11, 0.26
HSL	52°, 14%, 70%
HSV	52°, 11%, 74%
XYZ	45.6079, 48.7638, 44.0438
YIQ	184.8450, 7.5660, -4.9620

# Conversions

## Conversions Part 2

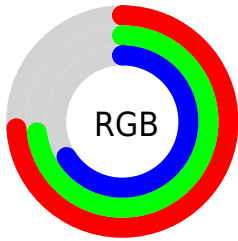
Format	Color
<b>RYB</b>	172, 189, 168
Decimal	12434088
CIELab	75.30, -2.11, 9.51
CIELCh	75, 9.739, 102.497
Yxy	48.7638, 0.3295, 0.3523
Android (android.graphics.Color)	4290624168 (0xFFBDBAA8)
YUV	184.8450, -8.3046, 3.6439
Hunter-Lab	69.8311, -5.6229, 11.4864

# Details

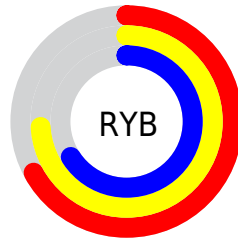
The Yxy color **48.7638, 0.3295, 0.3523** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **41.1025, 0.2955, 0.3046**, and the grayscale version is **48.4680, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.2445, 0.3264, 0.3482**, and **23.2703, 0.3346, 0.3589** is the 20% darker color. If you saturate the color by 10%, you get **46.9967, 0.3455, 0.3740**, and if you desaturate by 10%, it is **50.6586, 0.3143, 0.3313**.

# Distribution



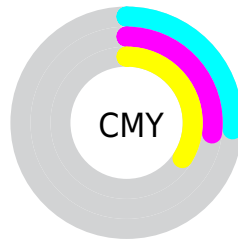
- Red (74%)
- Green (73%)
- Blue (66%)



- Red (67%)
- Yellow (74%)
- Blue (66%)



- Cyan (0%)
- Magenta (2%)
- Yellow (11%)
- Black (26%)




- Cyan (26%)
- Magenta (27%)
- Yellow (34%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 48.7638, 0.3295, 0.3523 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 48.7638, 0.3295, 0.3523 by changing the saturation by 10% instead.




 48.7638, 0.3295,  
0.3523

 48.7638, 0.3295,  
0.3523

381.8117, 0.3212,  
0.3407

 34.4321, 0.3315,  
0.3552


 88.3405, 0.3265,  
0.3481

 23.2258, 0.3342,  
0.3589


 114.3544, 0.3254,  
0.3465

 14.7603, 0.3376,  
0.3638

145.0312, 0.3244,  
0.3452

 8.6513, 0.3424,  
0.3707

180.7552, 0.3236,  
0.3440

 4.5145, 0.3493,  
0.3809

221.9108, 0.3229,  
0.3430

 1.9653, 0.3604,  
0.3975

268.8826, 0.3222,

 0.5872, 0.4632,

0.3421

0.5368

322.0547, 0.3217,  
0.3414

0.0000, 0.0000,  
0.0000

48.7638, 0.3295,  
0.3523

48.7638, 0.3295,  
0.3523

46.9967, 0.3455,  
0.3740

50.6586, 0.3143,  
0.3313

45.3464, 0.3620,  
0.3958

52.6789, 0.3002,  
0.3113

43.8101, 0.3786,  
0.4169

54.8309, 0.2872,  
0.2926

42.3828, 0.3948,  
0.4366

57.1183, 0.2754,  
0.2752

41.0585, 0.4097,  
0.4537

59.0544, 0.2689,  
0.2667

■ 39.8311, 0.4228,  
0.4674

■ 60.2977, 0.2691,  
0.2697

■ 38.6932, 0.4335,  
0.4770

■ 61.5628, 0.2694,  
0.2728

■ 37.6363, 0.4415,  
0.4820

■ 62.8496, 0.2697,  
0.2759

■ 36.7503, 0.4467,  
0.4835

■ 64.1584, 0.2700,  
0.2790

# Harmonies

## Analogous

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



48.7638, 0.3376, 0.3473



48.7638, 0.3295, 0.3523



48.7638, 0.3170, 0.3509

# Triad

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



48.7638, 0.3295, 0.3523



48.7638, 0.2873, 0.3194



48.7638, 0.3216, 0.3154

# Complementary

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



48.7638, 0.3295, 0.3523



41.1025, 0.2955, 0.3046

# 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.



48.7638, 0.3080, 0.3083



48.7638, 0.3295, 0.3523



48.7638, 0.2884, 0.3103

# Square

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



48.7638, 0.3295, 0.3523



48.7638, 0.2928, 0.3315



48.7638, 0.2959, 0.3064



48.7638, 0.3329, 0.3261



# Rectangle

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



48.7638, 0.3295, 0.3523



48.7638, 0.3080, 0.3463



48.7638, 0.2959, 0.3064



48.7638, 0.3171, 0.3126

# Sweetspot

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



48.7659, 0.3295, 0.3523



90.0757, 0.3172, 0.3353



41.7596, 0.3295, 0.3249



19.3105, 0.3184, 0.3370



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.



48.7659, 0.3295, 0.3523



86.6769, 0.3328, 0.3568



49.1139, 0.3228, 0.3565



10.8843, 0.3268, 0.3485



24.8168, 0.4463, 0.4839



1.0361, 0.4389, 0.4897



# Inverse Universe

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



41.1025, 0.2955, 0.3046



70.5939, 0.2921, 0.2996



40.8234, 0.3019, 0.3010



9.4372, 0.2984, 0.3087



3.0594, 0.1535, 0.0725

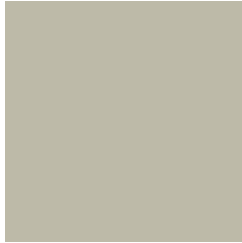


0.1907, 0.1633, 0.1078



# Previews

## White Background



This preview shows how the Yxy color 48.7638, 0.3295, 0.3523 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

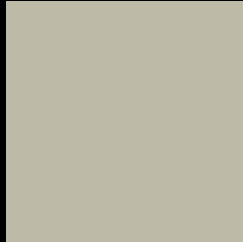
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 48.7638, 0.3295, 0.3523 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

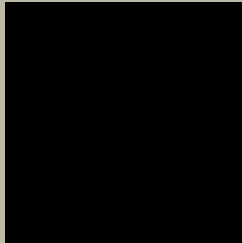
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

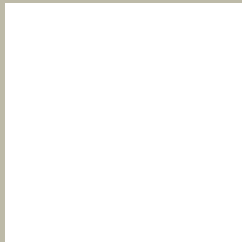
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 48.7638, 0.3295, 0.3523**

## **Background**



This preview shows how black text looks on a background with the Yxy color 48.7638, 0.3295, 0.3523.



This preview shows how white text looks on a background with the Yxy color 48.7638, 0.3295, 0.3523.

# 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

48.7638, 0.3295, 0.3523

### Protanopia

48.8254, 0.3340, 0.3521

### Deuteranopia

48.6601, 0.3478, 0.3414



## Tritanopia

48.7789, 0.3110, 0.3116

# Trichromacy



## Original Color

48.7638, 0.3295, 0.3523

## Protanomaly

48.6944, 0.3331, 0.3521

## Deuteranomaly

48.8770, 0.3408, 0.3453

## Tritanomaly

48.6186, 0.3180, 0.3252

# Monochromacy



## Original Color

48.7638, 0.3295, 0.3523

## Achromatopsia

48.5150, 0.3127, 0.3290

## Achromatomaly

48.3917, 0.3183, 0.3367

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 48.7638, 0.3295, 0.3523 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, 186, 168)` looks like.

```
.text, #text, p{  
    color:rgb(189, 186, 168)  
}
```

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, 186, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 186, 168) }
```

## Border

The CSS property to change the border of an element to Yxy 48.7638, 0.3295, 0.3523 is called "border". The border property can be set on classes, ids or directly on the HTML element.

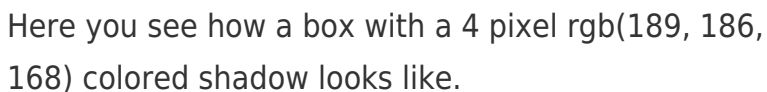
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(189, 186, 168) }
```

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

```
.border{ border-color:rgb(189, 186, 168) }
```

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



Here you see how a box with a 4 pixel `rgb(189, 186, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(189, 186, 168); -webkit-box-shadow:4px 4px 4px 4px rgb(189, 186, 168); box-shadow:4px 4px 4px 4px rgb(189, 186, 168) }
```



# Background

The CSS property to change the background color of an element to Yxy 48.7638, 0.3295, 0.3523 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 186, 168) }
```

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

```
.background{ background-color: rgb(189,  
186, 168) }
```

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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