

Converting Colors

$Yxy(50.8193, 0.3244, 0.3777)$

Have a look what the booklet for
Yxy(50.8193, 0.3244, 0.3777)
contains.

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Color

Yxy(50.7635, 0.3242, 0.3768)

Conversions

Conversions Part 1

Format	Color
Hex	B0C39F
RGB	176, 195, 159
RGB Percent	69%, 76%, 62%
CMY	0.3098, 0.2353, 0.3766
CMYK	0.10, 0.00, 0.18, 0.24
HSL	92°, 23%, 69%
HSV	92°, 18%, 76%
XYZ	43.6771, 50.7635, 40.2821
YIQ	185.2150, 0.2320, -15.2240

Conversions

Conversions Part 2

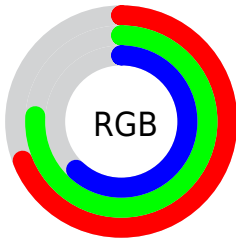
Format	Color
RYB	159, 195, 178
Decimal	11584415
CIELab	76.54, -13.02, 15.97
CIELCh	77, 20.603, 129.190
Yxy	50.7635, 0.3242, 0.3768
Android (android.graphics.Color)	4289774495 (0xFFB0C39F)
YUV	185.2150, -12.9240, -8.0816
Hunter-Lab	71.2485, -15.2600, 16.3529

Details

The Yxy color **50.7635, 0.3242, 0.3768** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **38.1861, 0.2993, 0.2815**, and the grayscale version is **48.7156, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.6317, 0.3223, 0.3681**, and **24.3222, 0.3271, 0.3910** is the 20% darker color. If you saturate the color by 10%, you get **48.9882, 0.3301, 0.4054**, and if you desaturate by 10%, it is **52.7407, 0.3180, 0.3500**.

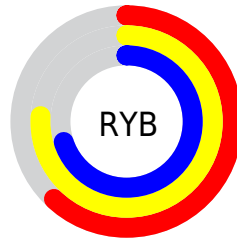
Distribution



Red (69%)

Green (76%)

Blue (62%)



Red (62%)

Yellow (76%)

Blue (70%)

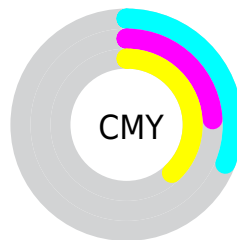


Cyan (10%)

Magenta (0%)

Yellow (18%)

Black (24%)



Cyan (31%)


Magenta (24%)


Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.7635, 0.3242, 0.3768 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 50.7635, 0.3242, 0.3768 by changing the saturation by 10% instead.

 50.7635, 0.3242,
0.3768

 50.7635, 0.3242,
0.3768

389.6442, 0.3188,
0.3527

 36.0204, 0.3254,
0.3829


 91.3051, 0.3223,
0.3680

 24.4500, 0.3269,
0.3907


 117.8724, 0.3216,
0.3647

 15.6677, 0.3287,
0.4012


149.1499, 0.3210,
0.3619

 9.2894, 0.3310,
0.4159

185.5220, 0.3205,
0.3595

 4.9304, 0.3337,
0.4380

227.3731, 0.3200,
0.3575

 2.2065, 0.3368,
0.4746

275.0876, 0.3196,

 0.7235, 0.3383,

0.3557

0.6617

329.0498, 0.3192,
0.3541

0.0000, 0.0000,
0.0000

50.7635, 0.3242,
0.3768

50.7635, 0.3242,
0.3768

48.9882, 0.3301,
0.4054

52.7407, 0.3180,
0.3500

47.4012, 0.3353,
0.4353

54.9199, 0.3118,
0.3254

45.9973, 0.3394,
0.4654

57.3094, 0.3056,
0.3031

44.7684, 0.3422,
0.4945

59.9153, 0.2997,
0.2830

43.7058, 0.3430,
0.5211

62.6482, 0.2951,
0.2665

■ 42.7997, 0.3418,
0.5435

■ 64.3736, 0.3026,
0.2679

■ 42.0390, 0.3385,
0.5607

■ 66.2005, 0.3102,
0.2693

■ 41.4072, 0.3335,
0.5724

■ 67.5121, 0.3155,
0.2703

■ 41.3192, 0.3327,
0.5740

Harmonies

Analogous

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



50.7635, 0.3498, 0.3773



50.7635, 0.3242, 0.3768



50.7635, 0.2963, 0.3617

Triad

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



50.7635, 0.3242, 0.3768



50.7635, 0.2620, 0.2914



50.7635, 0.3529, 0.3199

Complementary

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



50.7635, 0.3242, 0.3768



38.1861, 0.2993, 0.2815

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.



50.7635, 0.3278, 0.2993



50.7635, 0.3242, 0.3768



50.7635, 0.2756, 0.2829

Square

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



50.7635, 0.3242, 0.3768



50.7635, 0.2612, 0.3107



50.7635, 0.2994, 0.2860



50.7635, 0.3671, 0.3433

Rectangle

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



50.7635, 0.3242, 0.3768



50.7635, 0.2802, 0.3456



50.7635, 0.2994, 0.2860



50.7635, 0.3454, 0.3125

Sweetspot

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



50.7657, 0.3242, 0.3768



95.3526, 0.3165, 0.3439



45.7814, 0.3440, 0.3531



20.8259, 0.3169, 0.3456



0.0000, 0.0000, 0.0000



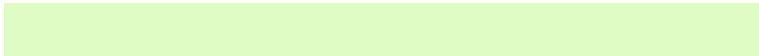
21.4041, 0.3127, 0.3290

Same Dimension

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



50.7657, 0.3242, 0.3768



89.6472, 0.3265, 0.3877



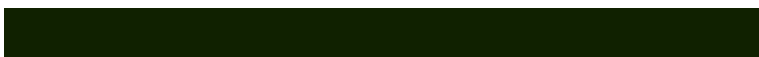
48.9229, 0.3099, 0.3780



11.4871, 0.3186, 0.3523



26.9032, 0.3337, 0.5732



1.2034, 0.3514, 0.5592

Inverse Universe

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



38.1861, 0.2993, 0.2815



63.1473, 0.2960, 0.2708



40.3013, 0.3154, 0.2844



10.0033, 0.3064, 0.3058



4.4768, 0.2087, 0.0923



0.2342, 0.2327, 0.1056

Previews

White Background



This preview shows how the Yxy color 50.7635, 0.3242, 0.3768 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 50.7635, 0.3242, 0.3768 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

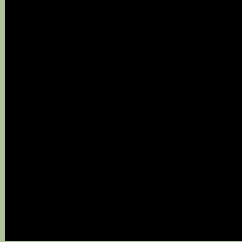
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 50.7635, 0.3242, 0.3768

Background



This preview shows how black text looks on a background with the Yxy color 50.7635, 0.3242, 0.3768.



This preview shows how white text looks on a background with the Yxy color 50.7635, 0.3242, 0.3768.

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

50.7635, 0.3242, 0.3768

Protanopia

50.5089, 0.3476, 0.3694

Deuteranopia

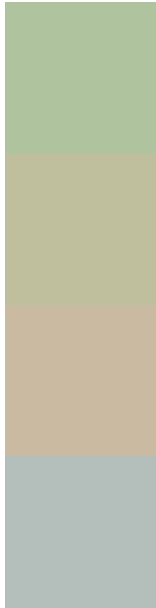
50.2553, 0.3597, 0.3519



Tritanopia

50.8221, 0.2968, 0.3102

Trichromacy



Original Color

50.7635, 0.3242, 0.3768

Protanomaly

50.7723, 0.3391, 0.3727

Deuteranomaly

50.1085, 0.3458, 0.3604

Tritanomaly

50.5957, 0.3061, 0.3328

Monochromacy



Original Color

50.7635, 0.3242, 0.3768

Achromatopsia

48.5150, 0.3127, 0.3290

Achromatomaly

49.4749, 0.3169, 0.3459

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.7635, 0.3242, 0.3768 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(176, 195, 159)` looks like.

```
.text, #text, p{  
    color:rgb(176, 195, 159)  
}
```

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(176, 195, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 195, 159) }
```

Border

The CSS property to change the border of an element to Yxy 50.7635, 0.3242, 0.3768 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(176, 195, 159) }
```

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

```
.border{ border-color:rgb(176, 195, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 195, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(176, 195, 159); -webkit-box-shadow:4px 4px 4px 4px rgb(176, 195, 159); box-shadow:4px 4px 4px 4px rgb(176, 195, 159) }
```


Background

The CSS property to change the background color of an element to Yxy 50.7635, 0.3242, 0.3768 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 195, 159) }
```

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

```
.background{ background-color: rgb(176,  
195, 159) }
```

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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