

Converting Colors

$Y_{xy}(39.9275, 0.3649, 0.3741)$

Have a look what the booklet for
Yxy(39.9275, 0.3649, 0.3741)
contains.

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Color

Yxy(39.7847, 0.3650, 0.3737)

Conversions

Conversions Part 1

Format	Color
Hex	BDA685
RGB	189, 166, 133
RGB Percent	74%, 65%, 52%
CMY	0.2588, 0.3490, 0.4785
CMYK	0.00, 0.12, 0.30, 0.26
HSL	35°, 30%, 63%
HSV	35°, 30%, 74%
XYZ	38.8585, 39.7847, 27.8184
YIQ	169.1150, 24.3010, -5.3870

Conversions

Conversions Part 2

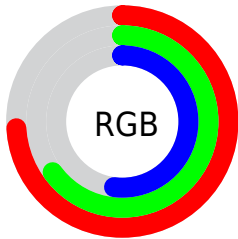
Format	Color
RYB	172, 189, 133
Decimal	12428933
CIELab	69.32, 3.35, 20.19
CIELCh	69, 20.466, 80.566
Yxy	39.7847, 0.3650, 0.3737
Android (android.graphics.Color)	4290619013 (0xFFBDA685)
YUV	169.1150, -17.8047, 17.4391
Hunter-Lab	63.0751, -0.4135, 18.0035

Details

The Yxy color **39.7847, 0.3650, 0.3737** is a light color, and the websafe version is hex **999966**. A complement of this color would be **32.4406, 0.2651, 0.2797**, and the grayscale version is **39.8182, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.8509, 0.3554, 0.3658**, and **17.8101, 0.3813, 0.3865** is the 20% darker color. If you saturate the color by 10%, you get **36.5717, 0.3863, 0.3892**, and if you desaturate by 10%, it is **43.2658, 0.3455, 0.3581**.

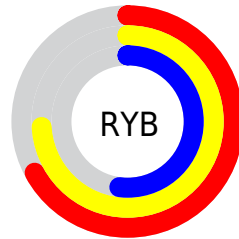
Distribution



Red (74%)

Green (65%)

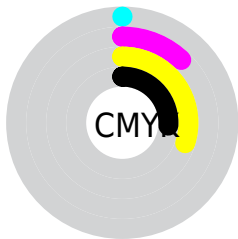
Blue (52%)



Red (67%)

Yellow (74%)

Blue (52%)

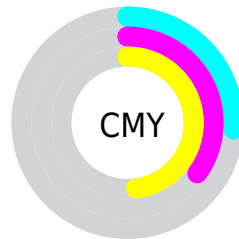


Cyan (0%)

Magenta (12%)

Yellow (30%)

Black (26%)



Cyan (26%)


Magenta (35%)

Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.7847, 0.3650, 0.3737 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 39.7847, 0.3650, 0.3737 by changing the saturation by 10% instead.


 39.7847, 0.3650,
0.3737


 39.7847, 0.3650,
0.3737


345.2153, 0.3382,
0.3511

 27.3707, 0.3719,
0.3794


 74.8356, 0.3551,
0.3655

 17.8518, 0.3807,
0.3866


 98.2412, 0.3515,
0.3624

 10.8437, 0.3926,
0.3961


 126.0796, 0.3484,
0.3598

 5.9618, 0.4092,
0.4091

158.7350, 0.3457,
0.3575

 2.8219, 0.4337,
0.4274

196.5919, 0.3435,
0.3556

 1.0395, 0.5100,
0.4900

240.0346, 0.3415,

 0.0000, 1.0000,

0.3539

0.0000

289.4476, 0.3397,
0.3524

0.0000, 0.0000,
0.0000

39.7847, 0.3650,
0.3737

39.7847, 0.3650,
0.3737

36.5717, 0.3863,
0.3892

43.2658, 0.3455,
0.3581

33.6133, 0.4091,
0.4039

47.0172, 0.3279,
0.3429

30.9029, 0.4327,
0.4168

51.0479, 0.3122,
0.3285

28.4310, 0.4561,
0.4267

55.3647, 0.2983,
0.3150

26.1876, 0.4783,
0.4325

59.9742, 0.2860,
0.3024

■ 24.1609, 0.4978,
0.4333

■ 64.8827, 0.2752,
0.2909

■ 22.3321, 0.5144,
0.4295

■ 69.4147, 0.2711,
0.2908

■ 22.2691, 0.5150,
0.4293

■ 73.5948, 0.2719,
0.2995

■ 77.9669, 0.2728,
0.3082

Harmonies

Analogous

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



39.7847, 0.3729, 0.3535



39.7847, 0.3650, 0.3737



39.7847, 0.3429, 0.3828

Triad

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



39.7847, 0.3650, 0.3737



39.7847, 0.2640, 0.3262



39.7847, 0.3097, 0.2872

Complementary

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



39.7847, 0.3650, 0.3737



32.4406, 0.2651, 0.2797

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.



39.7847, 0.2814, 0.2794



39.7847, 0.3650, 0.3737



39.7847, 0.2561, 0.3001

Square

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



39.7847, 0.3650, 0.3737



39.7847, 0.2847, 0.3548



39.7847, 0.2622, 0.2836



39.7847, 0.3401, 0.3048

Rectangle

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



39.7847, 0.3650, 0.3737



39.7847, 0.3236, 0.3803



39.7847, 0.2622, 0.2836



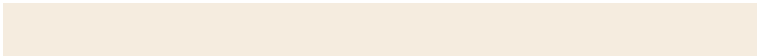
39.7847, 0.2996, 0.2833

Sweetspot

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



39.7865, 0.3650, 0.3737



84.5380, 0.3271, 0.3422



30.0057, 0.3508, 0.2973



17.9616, 0.3295, 0.3444



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.



39.7865, 0.3650, 0.3737



67.2019, 0.3796, 0.3845



48.3284, 0.3527, 0.4031



10.4453, 0.3274, 0.3425



15.1340, 0.5134, 0.4305



0.7187, 0.4852, 0.4529

Inverse Universe

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



32.4406, 0.2651, 0.2797



51.8012, 0.2533, 0.2660



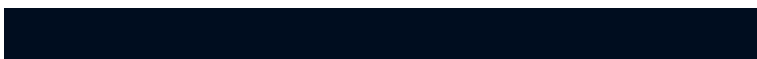
25.8224, 0.2654, 0.2448



9.8518, 0.2984, 0.3151



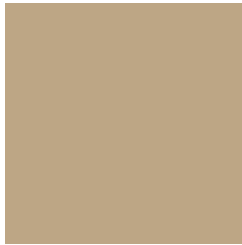
6.2471, 0.1699, 0.1316



0.3738, 0.1834, 0.1801

Previews

White Background



This preview shows how the Yxy color 39.7847, 0.3650, 0.3737 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 39.7847, 0.3650, 0.3737 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

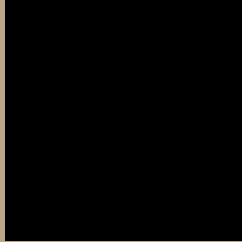
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 39.7847, 0.3650, 0.3737

Background



This preview shows how black text looks on a background with the Yxy color 39.7847, 0.3650, 0.3737.



This preview shows how white text looks on a background with the Yxy color 39.7847, 0.3650, 0.3737.

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

39.7847, 0.3650, 0.3737

Protanopia

39.8005, 0.3541, 0.3777

Deuteranopia

39.9214, 0.3742, 0.3672



Tritanopia

39.9762, 0.3336, 0.3135

Trichromacy



Original Color

39.7847, 0.3650, 0.3737

Protanomaly

39.7938, 0.3574, 0.3759

Deuteranomaly

39.8743, 0.3708, 0.3689

Tritanomaly

39.8695, 0.3453, 0.3357

Monochromacy



Original Color

39.7847, 0.3650, 0.3737

Achromatopsia

39.6755, 0.3127, 0.3290

Achromatomaly

39.6357, 0.3306, 0.3457

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.7847, 0.3650, 0.3737 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, 166, 133)` looks like.

```
.text, #text, p{  
    color:rgb(189, 166, 133)  
}
```

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, 166, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 166, 133) }
```

Border

The CSS property to change the border of an element to Yxy 39.7847, 0.3650, 0.3737 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, 166, 133) }
```

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

```
.border{ border-color:rgb(189, 166, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 166, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 166, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 166, 133);  
box-shadow:4px 4px 4px 4px rgb(189, 166,  
133) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 39.7847, 0.3650, 0.3737$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 166, 133) }
```

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

```
.background{ background-color: rgb(189,  
166, 133) }
```

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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