

Converting Colors

$Yxy(45.6373, 0.3739, 0.3809)$

Have a look what the booklet for
Yxy(45.6373, 0.3739, 0.3809)
contains.

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Color

Yxy(45.6373, 0.3739, 0.3809)

Conversions

Conversions Part 1

Format	Color
Hex	CCB087
RGB	204, 176, 135
RGB Percent	80%, 69%, 53%
CMY	0.2001, 0.3098, 0.4705
CMYK	0.00, 0.14, 0.34, 0.20
HSL	36°, 40%, 66%
HSV	36°, 34%, 80%
XYZ	44.7986, 45.6373, 29.3785
YIQ	179.6980, 29.8490, -6.8150

Conversions

Conversions Part 2

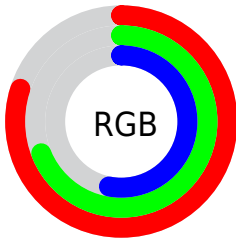
Format	Color
RYB	182, 204, 135
Decimal	13414535
CIELab	73.31, 4.16, 24.75
CIELCh	73, 25.092, 80.456
Yxy	45.6373, 0.3739, 0.3809
Android (android.graphics.Color)	4291604615 (0xFFCCB087)
YUV	179.6980, -22.0361, 21.3129
Hunter-Lab	67.5554, 0.1484, 21.5047

Details

The Yxy color **45.6373, 0.3739, 0.3809** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **35.7070, 0.2577, 0.2707**, and the grayscale version is **45.5811, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.6473, 0.3574, 0.3725**, and **21.4607, 0.3911, 0.3951** is the 20% darker color. If you saturate the color by 10%, you get **41.9714, 0.3959, 0.3963**, and if you desaturate by 10%, it is **49.6153, 0.3535, 0.3651**.

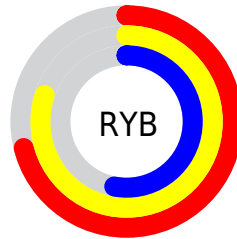
Distribution



Red (80%)

Green (69%)

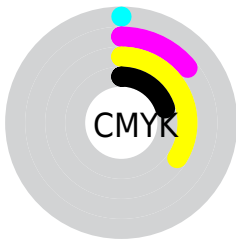
Blue (53%)



Red (71%)

Yellow (80%)

Blue (53%)

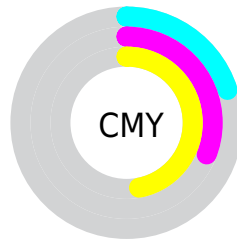


Cyan (0%)

Magenta (14%)

Yellow (34%)

Black (20%)



Cyan (20%)


Magenta (31%)


Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.6373, 0.3739, 0.3809 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 45.6373, 0.3739, 0.3809 by changing the saturation by 10% instead.


 45.6373, 0.3739,
0.3809

 45.6373, 0.3739,
0.3809


369.3485, 0.3433,
0.3554


 31.9597, 0.3814,
0.3870


 83.6759, 0.3628,
0.3718

 21.3307, 0.3910,
0.3947


 108.8057, 0.3586,
0.3683

 13.3660, 0.4036,
0.4046


 138.5218, 0.3551,
0.3654

 7.6810, 0.4206,
0.4175

173.2084, 0.3521,
0.3628

 3.8915, 0.4443,
0.4346

213.2499, 0.3494,
0.3606

 1.6131, 0.5116,
0.4884

259.0309, 0.3471,

 0.3664, 0.5511,

0.3587

0.4489

310.9356, 0.3451,
0.3569

0.0000, 0.0000,
0.0000

45.6373, 0.3739,
0.3809

45.6373, 0.3739,
0.3809

41.9714, 0.3959,
0.3963

49.6153, 0.3535,
0.3651

38.6016, 0.4191,
0.4105

53.9084, 0.3351,
0.3495

35.5194, 0.4427,
0.4224


58.5274, 0.3185,
0.3345


32.7133, 0.4656,
0.4308


63.4805, 0.3038,
0.3204

30.1706, 0.4865,
0.4345


68.7757, 0.2908,
0.3072


 27.8763, 0.5044,
0.4329

 74.2641, 0.2807,
0.2976

 26.5660, 0.5141,
0.4300

 78.8650, 0.2813,
0.3066

 83.6860, 0.2818,
0.3155

 88.7301, 0.2824,
0.3242

Harmonies

Analogous

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



45.6373, 0.3833, 0.3569



45.6373, 0.3739, 0.3809



45.6373, 0.3479, 0.3923

Triad

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



45.6373, 0.3739, 0.3809



45.6373, 0.2561, 0.3255



45.6373, 0.3088, 0.2805

Complementary

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



45.6373, 0.3739, 0.3809



35.7070, 0.2577, 0.2707

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.



45.6373, 0.2760, 0.2714



45.6373, 0.3739, 0.3809



45.6373, 0.2469, 0.2950

Square

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



45.6373, 0.3739, 0.3809



45.6373, 0.2799, 0.3595



45.6373, 0.2540, 0.2760



45.6373, 0.3446, 0.3007

Rectangle

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



45.6373, 0.3739, 0.3809



45.6373, 0.3253, 0.3896



45.6373, 0.2540, 0.2760



45.6373, 0.2971, 0.2761

Sweetspot

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



45.6394, 0.3739, 0.3809



92.0413, 0.3288, 0.3439



32.8421, 0.3583, 0.2924



19.4709, 0.3312, 0.3460



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.



45.6394, 0.3739, 0.3809



70.8566, 0.3908, 0.3929



56.9666, 0.3584, 0.4140



12.3035, 0.3275, 0.3428



16.9106, 0.5124, 0.4313



1.0191, 0.4895, 0.4495

Inverse Universe

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



35.7070, 0.2577, 0.2707



51.8270, 0.2444, 0.2546



27.3370, 0.2572, 0.2304



11.5788, 0.2983, 0.3149



6.7873, 0.1693, 0.1294



0.4980, 0.1802, 0.1686

Previews

White Background



This preview shows how the Yxy color 45.6373, 0.3739, 0.3809 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 45.6373, 0.3739, 0.3809 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

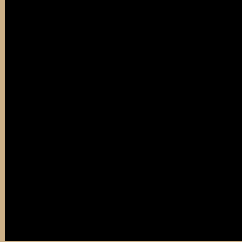
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.6373, 0.3739, 0.3809

Background



This preview shows how black text looks on a background with the Yxy color 45.6373, 0.3739, 0.3809.



This preview shows how white text looks on a background with the Yxy color 45.6373, 0.3739, 0.3809.

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

45.6373, 0.3739, 0.3809

Protanopia

45.7861, 0.3603, 0.3852

Deuteranopia

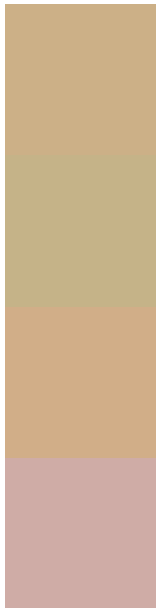
45.6618, 0.3819, 0.3747



Tritanopia

45.7237, 0.3372, 0.3132

Trichromacy



Original Color

45.6373, 0.3739, 0.3809

Protanomaly

45.8881, 0.3653, 0.3845

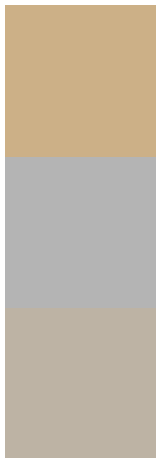
Deuteranomaly

45.6050, 0.3786, 0.3764

Tritanomaly

45.5236, 0.3502, 0.3366

Monochromacy



Original Color

45.6373, 0.3739, 0.3809

Achromatopsia

45.6411, 0.3127, 0.3290

Achromatomaly

45.7394, 0.3339, 0.3487

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.6373, 0.3739, 0.3809 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(204, 176, 135)` looks like.

```
.text, #text, p{  
    color:rgb(204, 176, 135)  
}
```

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(204, 176, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 176, 135) }
```

Border

The CSS property to change the border of an element to Yxy 45.6373, 0.3739, 0.3809 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(204, 176, 135) }
```

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

```
.border{ border-color:rgb(204, 176, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 176, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 176, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 176, 135);  
box-shadow:4px 4px 4px 4px rgb(204, 176,  
135) }
```


Background

The CSS property to change the background color of an element to Yxy 45.6373, 0.3739, 0.3809 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 176, 135) }
```

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

```
.background{ background-color: rgb(204,  
176, 135) }
```

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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