

# Converting Colors

$Yxy(45.0377, 0.3616, 0.3986)$

Have a look what the booklet for  
Yxy(45.0377, 0.3616, 0.3986)  
contains.

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# Color

**Yxy(45.1711, 0.3618, 0.3995)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BBB580
RGB	187, 181, 128
RGB Percent	73%, 71%, 50%
CMY	0.2668, 0.2901, 0.4980
CMYK	0.00, 0.03, 0.32, 0.27
HSL	54°, 30%, 62%
HSV	54°, 32%, 73%
XYZ	40.9084, 45.1711, 26.9896
YIQ	176.7520, 20.5890, -15.2110

# Conversions

## Conversions Part 2

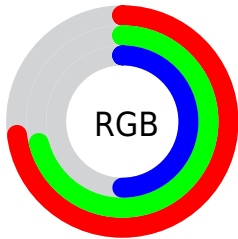
Format	Color
R <sub>Y</sub> B	135, 187, 128
Decimal	12301696
CIE Lab	73.00, -6.13, 27.82
CIE LCh	73, 28.489, 102.426
Yxy	45.1711, 0.3618, 0.3995
Android (android.graphics.Color)	4290491776 (0xFFBBB580)
YUV	176.7520, -24.0347, 8.9875
Hunter-Lab	67.2094, -8.9689, 23.2373

# Details

The Yxy color **45.1711, 0.3618, 0.3995** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **25.2182, 0.2585, 0.2470**, and the grayscale version is **43.9493, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.1377, 0.3535, 0.3870**, and **20.9749, 0.3753, 0.4194** is the 20% darker color. If you saturate the color by 10%, you get **43.9626, 0.3777, 0.4213**, and if you desaturate by 10%, it is **46.4849, 0.3457, 0.3769**.

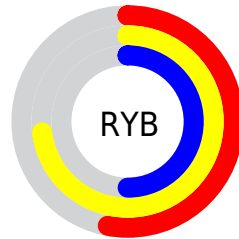
# Distribution



Red (73%)

Green (71%)

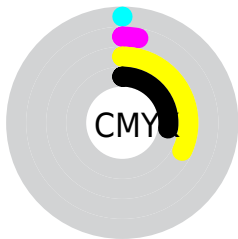
Blue (50%)



Red (53%)

Yellow (73%)

Blue (50%)

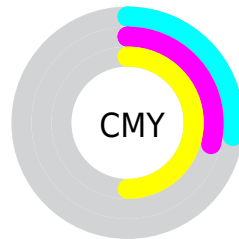


Cyan (0%)

Magenta (3%)

Yellow (32%)

Black (27%)



Cyan (27%)

Magenta (29%)


Yellow (50%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 45.1711, 0.3618, 0.3995 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 45.1711, 0.3618, 0.3995 by changing the saturation by 10% instead.




 45.1711, 0.3618,  
0.3995

 45.1711, 0.3618,  
0.3995


367.4661, 0.3377,  
0.3639

 31.5922, 0.3676,  
0.4084


 82.9771, 0.3532,  
0.3865

 21.0502, 0.3748,  
0.4197


 107.9730, 0.3499,  
0.3817

 13.1607, 0.3839,  
0.4346


 137.5434, 0.3471,  
0.3776

 7.5393, 0.3957,  
0.4548

172.0726, 0.3447,  
0.3740

 3.8016, 0.4111,  
0.4836

211.9451, 0.3426,  
0.3710

 1.5632, 0.4498,  
0.5502

257.5453, 0.3408,

 0.3326, 0.3336,

0.3683

0.6664

309.2575, 0.3391,  
0.3660

0.0000, 0.0000,  
0.0000

45.1711, 0.3618,  
0.3995

45.1711, 0.3618,  
0.3995

43.9626, 0.3777,  
0.4213

46.4849, 0.3457,  
0.3769

42.8481, 0.3929,  
0.4415

47.9024, 0.3300,  
0.3543

41.8242, 0.4066,  
0.4590


49.4300, 0.3149,  
0.3323


40.8847, 0.4184,  
0.4730


51.0717, 0.3008,  
0.3113

40.0227, 0.4277,  
0.4829


52.8316, 0.2877,  
0.2916


 39.2298, 0.4343,  
0.4883

 54.7131, 0.2757,  
0.2734

 38.5984, 0.4382,  
0.4902

 56.4665, 0.2670,  
0.2605

 57.3135, 0.2672,  
0.2626

 58.1713, 0.2674,  
0.2648

# Harmonies

## Analogous

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



45.1711, 0.3873, 0.3813



45.1711, 0.3618, 0.3995



45.1711, 0.3240, 0.3977

# Triad

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



45.1711, 0.3618, 0.3995



45.1711, 0.2393, 0.2982



45.1711, 0.3383, 0.2899

# Complementary

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



45.1711, 0.3618, 0.3995



25.2182, 0.2585, 0.2470

# 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.



45.1711, 0.2974, 0.2702



45.1711, 0.3618, 0.3995



45.1711, 0.2424, 0.2730

# Square

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



45.1711, 0.3618, 0.3995



45.1711, 0.2542, 0.3352



45.1711, 0.2629, 0.2637



45.1711, 0.3739, 0.3189



# Rectangle

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



45.1711, 0.3618, 0.3995



45.1711, 0.2973, 0.3837



45.1711, 0.2629, 0.2637



45.1711, 0.3246, 0.2821

# Sweetspot

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



45.1731, 0.3618, 0.3995



86.4613, 0.3263, 0.3490



27.7493, 0.3751, 0.3195



18.9542, 0.3286, 0.3522



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.



45.1731, 0.3618, 0.3995



79.3820, 0.3731, 0.4151



45.0174, 0.3392, 0.4121



10.9514, 0.3267, 0.3494



26.6657, 0.4380, 0.4904



1.0926, 0.4330, 0.4944



# Inverse Universe

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



25.2182, 0.2585, 0.2470



37.8936, 0.2444, 0.2250



25.5712, 0.2789, 0.2428



9.3762, 0.2984, 0.3077



2.8416, 0.1522, 0.0680



0.1639, 0.1597, 0.0950



# Previews

## White Background



This preview shows how the Yxy color 45.1711, 0.3618, 0.3995 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

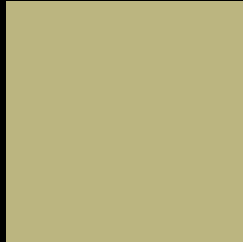
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 45.1711, 0.3618, 0.3995 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

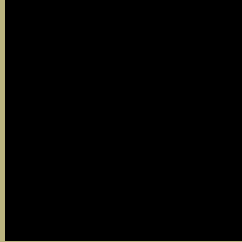
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 45.1711, 0.3618, 0.3995**

## Background



This preview shows how black text looks on a background with the Yxy color 45.1711, 0.3618, 0.3995.



This preview shows how white text looks on a background with the Yxy color 45.1711, 0.3618, 0.3995.

# 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

45.1711, 0.3618, 0.3995

### Protanopia

45.1100, 0.3691, 0.3970

### Deuteranopia

45.1138, 0.3878, 0.3809



## Tritanopia

44.9443, 0.3198, 0.3113

# Trichromacy



## Original Color

45.1711, 0.3618, 0.3995

## Protanomaly

45.2512, 0.3668, 0.3987

## Deuteranomaly

44.9414, 0.3787, 0.3875

## Tritanomaly

44.8802, 0.3346, 0.3421

# Monochromacy



## Original Color

45.1711, 0.3618, 0.3995

## Achromatopsia

43.9657, 0.3127, 0.3290

## Achromatomaly

44.1677, 0.3311, 0.3546

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 45.1711, 0.3618, 0.3995 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(187, 181, 128)` looks like.

```
.text, #text, p{  
    color:rgb(187, 181, 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(187, 181, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 181, 128) }
```

## Border

The CSS property to change the border of an element to Yxy 45.1711, 0.3618, 0.3995 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(187, 181, 128) }
```

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

```
.border{ border-color:rgb(187, 181, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 181, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 181, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 181, 128);  
box-shadow:4px 4px 4px 4px rgb(187, 181,  
128) }
```



# Background

The CSS property to change the background color of an element to Yxy 45.1711, 0.3618, 0.3995 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 181, 128) }
```

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

```
.background{ background-color: rgb(187,  
181, 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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