

Converting Colors

$Y_{xy}(45.6026, 0.3671, 0.4126)$

Have a look what the booklet for
Yxy(45.6026, 0.3671, 0.4126)
contains.

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Color

Yxy(45.6621, 0.3666, 0.4126)

Conversions

Conversions Part 1

Format	Color
Hex	BAB778
RGB	186, 183, 120
RGB Percent	73%, 72%, 47%
CMY	0.2706, 0.2823, 0.5295
CMYK	0.00, 0.02, 0.35, 0.27
HSL	57°, 32%, 60%
HSV	57°, 35%, 73%
XYZ	40.5713, 45.6621, 24.4358
YIQ	176.7150, 22.0110, -18.9570

Conversions

Conversions Part 2

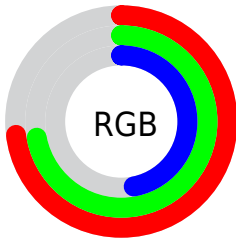
Format	Color
RYB	123, 186, 120
Decimal	12236664
CIELab	73.33, -8.55, 32.47
CIELCh	73, 33.578, 104.760
Yxy	45.6621, 0.3666, 0.4126
Android (android.graphics.Color)	4290426744 (0xFFBAB778)
YUV	176.7150, -27.9605, 8.1429
Hunter-Lab	67.5737, -11.0825, 25.8614

Details

The Yxy color **45.6621, 0.3666, 0.4126** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **21.6929, 0.2499, 0.2289**, and the grayscale version is **43.9494, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.8048, 0.3574, 0.3973**, and **21.3130, 0.3809, 0.4363** is the 20% darker color. If you saturate the color by 10%, you get **44.9093, 0.3812, 0.4348**, and if you desaturate by 10%, it is **46.5088, 0.3513, 0.3891**.

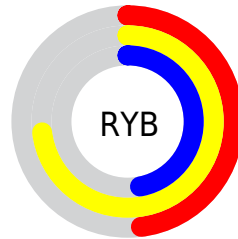
Distribution



Red (73%)

Green (72%)

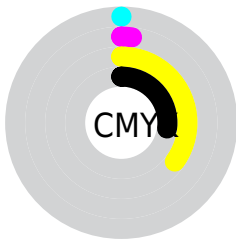
Blue (47%)



Red (48%)

Yellow (73%)

Blue (47%)

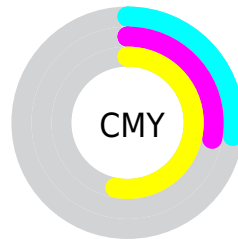


Cyan (0%)

Magenta (2%)

Yellow (35%)

Black (27%)



Cyan (27%)

Magenta (28%)


Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.6621, 0.3666, 0.4126 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 45.6621, 0.3666, 0.4126 by changing the saturation by 10% instead.

 45.6621, 0.3666,
0.4126

 45.6621, 0.3666,
0.4126


369.4485, 0.3405,
0.3704

 31.9793, 0.3727,
0.4231


 83.7131, 0.3574,
0.3973

 21.3457, 0.3801,
0.4363


 108.8500, 0.3539,
0.3915

 13.3769, 0.3893,
0.4536


 138.5737, 0.3508,
0.3866

 7.6886, 0.4006,
0.4768

173.2687, 0.3482,
0.3825

 3.8963, 0.4167,
0.5121

213.3192, 0.3459,
0.3788

 1.6157, 0.4351,
0.5649

259.1098, 0.3439,

 0.3682, 0.2771,

0.3757

0.7229

311.0248, 0.3421,
0.3729

0.0000, 0.0000,
0.0000

45.6621, 0.3666,
0.4126

45.6621, 0.3666,
0.4126

44.9093, 0.3812,
0.4348

46.5088, 0.3513,
0.3891

44.2392, 0.3946,
0.4547

47.4479, 0.3359,
0.3652

43.6481, 0.4062,
0.4715


48.4859, 0.3208,
0.3416


43.1297, 0.4154,
0.4844


49.6267, 0.3063,
0.3189

42.6767, 0.4220,
0.4931

50.8744, 0.2927,
0.2974

 42.2801, 0.4261,
0.4975

 52.2325, 0.2801,
0.2774

 42.1111, 0.4274,
0.4988

 53.7044, 0.2686,
0.2589

 54.3746, 0.2658,
0.2551

 54.7398, 0.2659,
0.2561

Harmonies

Analogous

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



45.6621, 0.3984, 0.3916



45.6621, 0.3666, 0.4126



45.6621, 0.3217, 0.4093

Triad

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



45.6621, 0.3666, 0.4126



45.6621, 0.2270, 0.2894



45.6621, 0.3462, 0.2859

Complementary

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



45.6621, 0.3666, 0.4126



21.6929, 0.2499, 0.2289

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.



45.6621, 0.2980, 0.2622



45.6621, 0.3666, 0.4126



45.6621, 0.2323, 0.2620

Square

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



45.6621, 0.3666, 0.4126



45.6621, 0.2424, 0.3322



45.6621, 0.2571, 0.2533



45.6621, 0.3873, 0.3196

Rectangle

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



45.6621, 0.3666, 0.4126



45.6621, 0.2907, 0.3913



45.6621, 0.2571, 0.2533



45.6621, 0.3302, 0.2766

Sweetspot

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



45.6642, 0.3666, 0.4126



86.7953, 0.3293, 0.3550



25.3023, 0.3919, 0.3246



19.0582, 0.3314, 0.3582



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.



45.6642, 0.3666, 0.4126



81.6371, 0.3787, 0.4310



43.5683, 0.3383, 0.4246



10.4318, 0.3265, 0.3506



28.3627, 0.4273, 0.4989



1.0214, 0.4251, 0.5007

Inverse Universe

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



21.6929, 0.2499, 0.2289



31.4205, 0.2328, 0.2013



23.4258, 0.2781, 0.2319



8.7829, 0.2984, 0.3065



2.5379, 0.1510, 0.0634



0.1116, 0.1548, 0.0772

Previews

White Background



This preview shows how the Yxy color 45.6621, 0.3666, 0.4126 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 45.6621, 0.3666, 0.4126 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

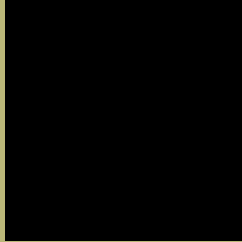
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

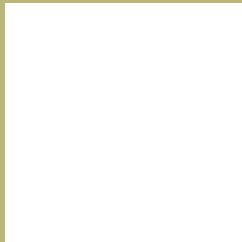
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 45.6621, 0.3666, 0.4126

Background



This preview shows how black text looks on a background with the Yxy color 45.6621, 0.3666, 0.4126.



This preview shows how white text looks on a background with the Yxy color 45.6621, 0.3666, 0.4126.

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

45.6621, 0.3666, 0.4126

Protanopia

45.5765, 0.3772, 0.4078

Deuteranopia

45.3573, 0.3978, 0.3898



Tritanopia

45.7601, 0.3188, 0.3126

Trichromacy



Original Color

45.6621, 0.3666, 0.4126

Protanomaly

45.5861, 0.3739, 0.4098

Deuteranomaly

45.2685, 0.3860, 0.3983

Tritanomaly

45.5615, 0.3368, 0.3486

Monochromacy



Original Color

45.6621, 0.3666, 0.4126

Achromatopsia

43.9657, 0.3127, 0.3290

Achromatomaly

44.3438, 0.3325, 0.3601

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.6621, 0.3666, 0.4126 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(186, 183, 120)` looks like.

```
.text, #text, p{  
    color:rgb(186, 183, 120)  
}
```

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(186, 183, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 183, 120) }
```

Border

The CSS property to change the border of an element to Yxy 45.6621, 0.3666, 0.4126 is called "border". The border property can be set on classes, ids or directly on the HTML element.

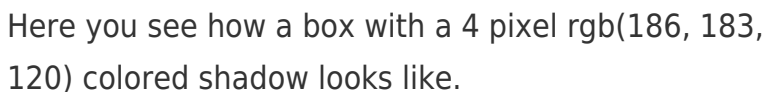
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(186, 183, 120) }
```

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

```
.border{ border-color:rgb(186, 183, 120) }
```

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



Here you see how a box with a 4 pixel `rgb(186, 183, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 183, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 183, 120);  
box-shadow:4px 4px 4px 4px rgb(186, 183,  
120) }
```


Background

The CSS property to change the background color of an element to Yxy 45.6621, 0.3666, 0.4126 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 183, 120) }
```

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

```
.background{ background-color: rgb(186,  
183, 120) }
```

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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