

Converting Colors

$Y_{xy}(46.0751, 0.3735, 0.4165)$

Have a look what the booklet for
Yxy(46.0751, 0.3735, 0.4165)
contains.

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Color

Yxy(46.0751, 0.3735, 0.4165)

Conversions

Conversions Part 1

Format	Color
Hex	BEB774
RGB	190, 183, 116
RGB Percent	75%, 72%, 45%
CMY	0.2549, 0.2823, 0.5452
CMYK	0.00, 0.04, 0.39, 0.25
HSL	54°, 36%, 60%
HSV	54°, 39%, 75%
XYZ	41.3182, 46.0751, 23.2311
YIQ	177.4550, 25.6790, -19.3530

Conversions

Conversions Part 2

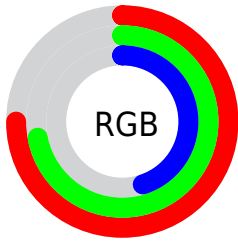
Format	Color
RYB	124, 190, 116
Decimal	12498804
CIELab	73.59, -7.42, 34.96
CIElCh	74, 35.742, 101.975
Yxy	46.0751, 0.3735, 0.4165
Android (android.graphics.Color)	4290688884 (0xFFBEB774)
YUV	177.4550, -30.2973, 11.0020
Hunter-Lab	67.8786, -10.1333, 27.2233

Details

The Yxy color **46.0751, 0.3735, 0.4165** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **21.5845, 0.2435, 0.2230**, and the grayscale version is **44.3702, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.3717, 0.3628, 0.4007**, and **21.5095, 0.3887, 0.4410** is the 20% darker color. If you saturate the color by 10%, you get **44.9448, 0.3888, 0.4373**, and if you desaturate by 10%, it is **47.3095, 0.3576, 0.3942**.

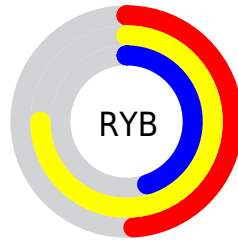
Distribution



Red (75%)

Green (72%)

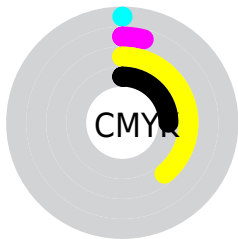
Blue (45%)



Red (49%)

Yellow (75%)

Blue (45%)

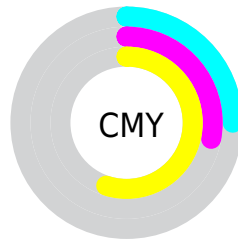


Cyan (0%)

Magenta (4%)

Yellow (39%)

Black (25%)



Cyan (25%)


Magenta (28%)


Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.0751, 0.3735, 0.4165 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 46.0751, 0.3735, 0.4165 by changing the saturation by 10% instead.


 46.0751, 0.3735,
0.4165

 46.0751, 0.3735,
0.4165


371.1105, 0.3441,
0.3726


 32.3051, 0.3803,
0.4272

 84.3314, 0.3632,
0.4007

 21.5946, 0.3886,
0.4407


 109.5864, 0.3592,
0.3947

 13.5593, 0.3987,
0.4581


 139.4386, 0.3558,
0.3896

 7.8148, 0.4111,
0.4808

174.2724, 0.3528,
0.3853

 3.9767, 0.4305,
0.5175

214.4720, 0.3502,
0.3815

 1.6605, 0.4426,
0.5574

260.4220, 0.3479,

 0.3979, 0.3313,

0.3782

0.6687

312.5067, 0.3459,
0.3752

0.0000, 0.0000,
0.0000

46.0751, 0.3735,
0.4165

46.0751, 0.3735,
0.4165

44.9448, 0.3888,
0.4373

47.3095, 0.3576,
0.3942

43.9066, 0.4028,
0.4557

48.6467, 0.3416,
0.3714

42.9564, 0.4150,
0.4707


50.0936, 0.3261,
0.3487


42.0873, 0.4247,
0.4817

51.6546, 0.3112,
0.3268

41.2909, 0.4318,
0.4883


53.3339, 0.2973,
0.3059

 40.5531, 0.4365,
0.4911

 55.1353, 0.2844,
0.2864

 40.4774, 0.4369,
0.4913

 57.0628, 0.2727,
0.2684

 58.2560, 0.2693,
0.2644

 59.0766, 0.2695,
0.2665

Harmonies

Analogous

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



46.0751, 0.4055, 0.3920



46.0751, 0.3735, 0.4165



46.0751, 0.3266, 0.4162

Triad

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



46.0751, 0.3735, 0.4165



46.0751, 0.2228, 0.2904



46.0751, 0.3435, 0.2806

Complementary

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



46.0751, 0.3735, 0.4165



21.5845, 0.2435, 0.2230

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.



46.0751, 0.2925, 0.2570



46.0751, 0.3735, 0.4165



46.0751, 0.2264, 0.2598

Square

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



46.0751, 0.3735, 0.4165



46.0751, 0.2409, 0.3369



46.0751, 0.2507, 0.2491



46.0751, 0.3886, 0.3152

Rectangle

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



46.0751, 0.3735, 0.4165



46.0751, 0.2936, 0.3989



46.0751, 0.2507, 0.2491



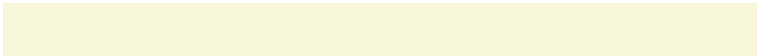
46.0751, 0.3263, 0.2712

Sweetspot

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



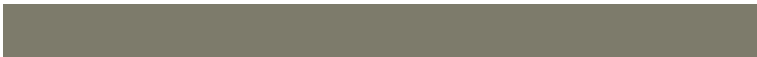
46.0772, 0.3735, 0.4165



89.9154, 0.3310, 0.3560



24.8711, 0.3985, 0.3190



19.6678, 0.3331, 0.3590



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



46.0772, 0.3735, 0.4165



81.6914, 0.3870, 0.4349



45.5967, 0.3437, 0.4337



10.9625, 0.3267, 0.3496



26.9803, 0.4367, 0.4915



1.1021, 0.4320, 0.4952

Inverse Universe

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



21.5845, 0.2435, 0.2230



30.9343, 0.2255, 0.1943



22.2757, 0.2700, 0.2202



9.3662, 0.2984, 0.3076



2.8113, 0.1520, 0.0673



0.1595, 0.1591, 0.0928

Previews

White Background



This preview shows how the Yxy color 46.0751, 0.3735, 0.4165 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 46.0751, 0.3735, 0.4165 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

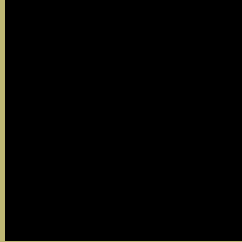
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.0751, 0.3735, 0.4165

Background



This preview shows how black text looks on a background with the Yxy color 46.0751, 0.3735, 0.4165.

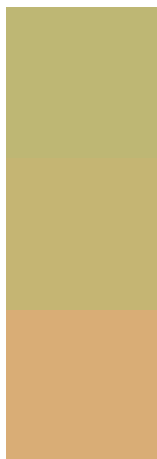


This preview shows how white text looks on a background with the Yxy color 46.0751, 0.3735, 0.4165.

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

46.0751, 0.3735, 0.4165

Protanopia

46.1559, 0.3818, 0.4133

Deuteranopia

45.9469, 0.4026, 0.3950



Tritanopia

45.9087, 0.3224, 0.3116

Trichromacy



Original Color

46.0751, 0.3735, 0.4165

Protanomaly

46.1630, 0.3785, 0.4153

Deuteranomaly

45.9940, 0.3918, 0.4034

Tritanomaly

45.6550, 0.3415, 0.3484

Monochromacy



Original Color

46.0751, 0.3735, 0.4165

Achromatopsia

43.9657, 0.3127, 0.3290

Achromatomaly

44.5518, 0.3352, 0.3613

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.0751, 0.3735, 0.4165 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(190, 183, 116)` looks like.

```
.text, #text, p{  
    color:rgb(190, 183, 116)  
}
```

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(190, 183, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 183, 116) }
```

Border

The CSS property to change the border of an element to Yxy 46.0751, 0.3735, 0.4165 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(190, 183, 116) }
```

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

```
.border{ border-color:rgb(190, 183, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 183, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 183, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 183, 116);  
box-shadow:4px 4px 4px 4px rgb(190, 183,  
116) }
```


Background

The CSS property to change the background color of an element to Yxy 46.0751, 0.3735, 0.4165 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 183, 116) }
```

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

```
.background{ background-color: rgb(190,  
183, 116) }
```

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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