

Converting Colors

$Yxy(46.5488, 0.3688, 0.4078)$

Have a look what the booklet for
Yxy(46.5488, 0.3688, 0.4078)
contains.

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Color

Yxy(46.3734, 0.3689, 0.4073)

Conversions

Conversions Part 1

Format	Color
Hex	BFB77B
RGB	191, 183, 123
RGB Percent	75%, 72%, 48%
CMY	0.2509, 0.2824, 0.5176
CMYK	0.00, 0.04, 0.36, 0.25
HSL	53°, 35%, 62%
HSV	53°, 36%, 75%
XYZ	42.0013, 46.3734, 25.4809
YIQ	178.5520, 24.0280, -16.9640

Conversions

Conversions Part 2

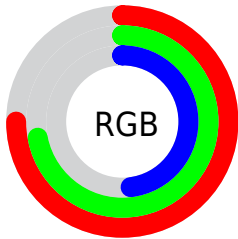
Format	Color
RYB	132, 191, 123
Decimal	12564347
CIELab	73.79, -6.17, 31.56
CIELCh	74, 32.155, 101.066
Yxy	46.3734, 0.3689, 0.4073
Android (android.graphics.Color)	4290754427 (0xFFBFB77B)
YUV	178.5520, -27.3871, 10.9169
Hunter-Lab	68.0980, -9.0767, 25.4835

Details

The Yxy color **46.3734, 0.3689, 0.4073** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **24.2227, 0.2506, 0.2362**, and the grayscale version is **44.9710, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.8241, 0.3591, 0.3934**, and **21.6805, 0.3830, 0.4294** is the 20% darker color. If you saturate the color by 10%, you get **45.0188, 0.3849, 0.4283**, and if you desaturate by 10%, it is **47.8405, 0.3526, 0.3852**.

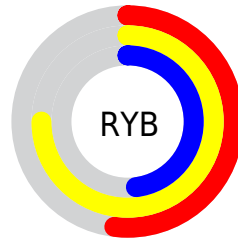
Distribution



Red (75%)

Green (72%)

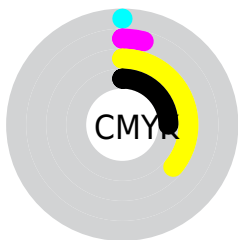
Blue (48%)



Red (52%)

Yellow (75%)

Blue (48%)

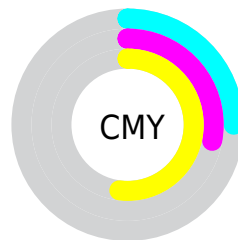


Cyan (0%)

Magenta (4%)

Yellow (36%)

Black (25%)



Cyan (25%)


Magenta (28%)


Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.3734, 0.3689, 0.4073 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 46.3734, 0.3689, 0.4073 by changing the saturation by 10% instead.

 46.3734, 0.3689,
0.4073


 46.3734, 0.3689,
0.4073


372.3078, 0.3415,
0.3681


 32.5406, 0.3753,
0.4169


 84.7775, 0.3592,
0.3931

 21.7747, 0.3833,
0.4291


 110.1177, 0.3555,
0.3878

 13.6915, 0.3932,
0.4449


 140.0623, 0.3523,
0.3832

 7.9064, 0.4058,
0.4660

174.9960, 0.3496,
0.3793

 4.0351, 0.4225,
0.4962

215.3029, 0.3472,
0.3759

 1.6932, 0.4505,
0.5495

261.3676, 0.3451,

 0.4193, 0.3715,

0.3730

0.6285

313.5745, 0.3432,
0.3704

0.0000, 0.0000,
0.0000

46.3734, 0.3689,
0.4073

46.3734, 0.3689,
0.4073

45.0188, 0.3849,
0.4283

47.8405, 0.3526,
0.3852

43.7649, 0.4000,
0.4473

49.4189, 0.3365,
0.3629

42.6076, 0.4136,
0.4633


51.1155, 0.3210,
0.3409

41.5402, 0.4249,
0.4754


52.9345, 0.3064,
0.3199


40.5548, 0.4336,
0.4832

54.8802, 0.2929,
0.3000


 39.6414, 0.4396,
0.4866

 56.9567, 0.2804,
0.2815

 39.2539, 0.4418,
0.4874

 59.0550, 0.2701,
0.2662

 60.1004, 0.2704,
0.2688

 61.1612, 0.2706,
0.2714

Harmonies

Analogous

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



46.3734, 0.3968, 0.3855



46.3734, 0.3689, 0.4073



46.3734, 0.3270, 0.4071

Triad

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



46.3734, 0.3689, 0.4073



46.3734, 0.2315, 0.2958



46.3734, 0.3391, 0.2844

Complementary

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



46.3734, 0.3689, 0.4073



24.2227, 0.2506, 0.2362

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.



46.3734, 0.2934, 0.2632



46.3734, 0.3689, 0.4073



46.3734, 0.2341, 0.2673

Square

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



46.3734, 0.3689, 0.4073



46.3734, 0.2487, 0.3378



46.3734, 0.2558, 0.2567



46.3734, 0.3798, 0.3158

Rectangle

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



46.3734, 0.3689, 0.4073



46.3734, 0.2972, 0.3921



46.3734, 0.2558, 0.2567



46.3734, 0.3237, 0.2759

Sweetspot

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



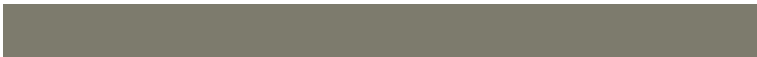
46.3755, 0.3689, 0.4073



89.7948, 0.3295, 0.3531



26.9189, 0.3853, 0.3167



19.6274, 0.3317, 0.3561



97.7402, 0.3127, 0.3290



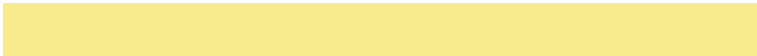
20.4902, 0.3127, 0.3290

Same Dimension

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



46.3755, 0.3689, 0.4073



81.0508, 0.3819, 0.4244



46.8235, 0.3433, 0.4235



10.9228, 0.3267, 0.3491



25.8645, 0.4415, 0.4877



1.0682, 0.4355, 0.4924

Inverse Universe

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



24.2227, 0.2506, 0.2362



35.3652, 0.2344, 0.2109



24.2248, 0.2723, 0.2298



9.4022, 0.2984, 0.3081



2.9273, 0.1527, 0.0698



0.1753, 0.1613, 0.1005

Previews

White Background



This preview shows how the Yxy color 46.3734, 0.3689, 0.4073 looks on a white background.

Color Contrast Check

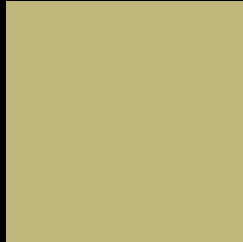
Large Text (above 18pt) WCAG AA × Fail

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 46.3734, 0.3689, 0.4073 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

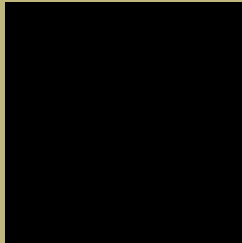
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.3734, 0.3689, 0.4073

Background



This preview shows how black text looks on a background with the Yxy color 46.3734, 0.3689, 0.4073.



This preview shows how white text looks on a background with the Yxy color 46.3734, 0.3689, 0.4073.

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

46.3734, 0.3689, 0.4073

Protanopia

46.1887, 0.3752, 0.4049

Deuteranopia

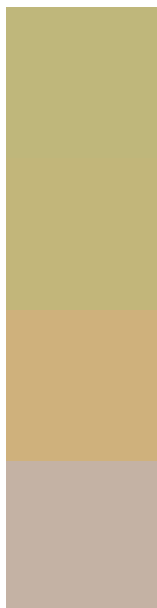
45.9667, 0.3956, 0.3872



Tritanopia

46.4329, 0.3232, 0.3129

Trichromacy



Original Color

46.3734, 0.3689, 0.4073

Protanomaly

46.3304, 0.3729, 0.4066

Deuteranomaly

46.1649, 0.3859, 0.3950

Tritanomaly

46.2569, 0.3405, 0.3470

Monochromacy



Original Color

46.3734, 0.3689, 0.4073

Achromatopsia

45.0786, 0.3127, 0.3290

Achromatomaly

45.2130, 0.3325, 0.3571

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.3734, 0.3689, 0.4073 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(191, 183, 123)` looks like.

```
.text, #text, p{  
    color:rgb(191, 183, 123)  
}
```

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(191, 183, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 183, 123) }
```

Border

The CSS property to change the border of an element to Yxy 46.3734, 0.3689, 0.4073 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(191, 183, 123) }
```

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

```
.border{ border-color:rgb(191, 183, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 183, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 183, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 183, 123);  
box-shadow:4px 4px 4px 4px rgb(191, 183,  
123) }
```


Background

The CSS property to change the background color of an element to Yxy 46.3734, 0.3689, 0.4073 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 183, 123) }
```

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

```
.background{ background-color: rgb(191,  
183, 123) }
```

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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