

Converting Colors

$Y_{xy}(40.7494, 0.3843, 0.4107)$

Have a look what the booklet for
Yxy(40.7494, 0.3843, 0.4107)
contains.

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Color

Yxy(40.6724, 0.3847, 0.4104)

Conversions

Conversions Part 1

Format	Color
Hex	BDAA6D
RGB	189, 170, 109
RGB Percent	74%, 67%, 43%
CMY	0.2587, 0.3333, 0.5726
CMYK	0.00, 0.10, 0.42, 0.26
HSL	46°, 38%, 58%
HSV	46°, 42%, 74%
XYZ	38.1254, 40.6724, 20.3065
YIQ	168.7270, 30.9050, -14.9430

Conversions

Conversions Part 2

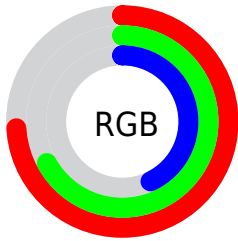
Format	Color
RYB	134, 189, 109
Decimal	12429933
CIELab	69.95, -1.71, 33.92
CIELCh	70, 33.958, 92.884
Yxy	40.6724, 0.3847, 0.4104
Android (android.graphics.Color)	4290620013 (0xFFBDAA6D)
YUV	168.7270, -29.4454, 17.7794
Hunter-Lab	63.7749, -4.8966, 25.7640

Details

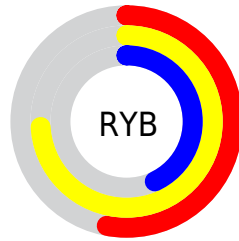
The Yxy color $40.6724, 0.3847, 0.4104$ is a light color, and the websafe version is hex 999966 . A complement of this color would be $22.3694, 0.2397, 0.2310$, and the grayscale version is $39.6728, 0.3127, 0.3290$.

A 20% lighter version of the original color is $76.0165, 0.3717, 0.3959$, and $18.3514, 0.4040, 0.4329$ is the 20% darker color. If you saturate the color by 10%, you get $38.6538, 0.4031, 0.4282$, and if you desaturate by 10%, it is $42.8399, 0.3663, 0.3913$.

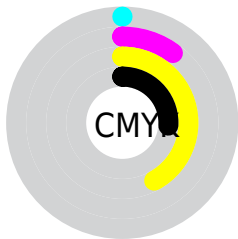
Distribution



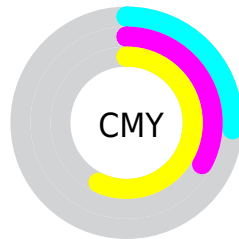
- Red (74%)
- Green (67%)
- Blue (43%)



- Red (53%)
- Yellow (74%)
- Blue (43%)



- Cyan (0%)
- Magenta (10%)
- Yellow (42%)
- Black (26%)





- Cyan (26%)
- Magenta (33%)
- Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.6724, 0.3847, 0.4104 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 40.6724, 0.3847, 0.4104 by changing the saturation by 10% instead.


 40.6724, 0.3847,
0.4104


 40.6724, 0.3847,
0.4104


348.9496, 0.3487,
0.3694


 28.0632, 0.3934,
0.4204


 76.1863, 0.3718,
0.3956


 18.3733, 0.4041,
0.4330


 99.8599, 0.3669,
0.3900

 11.2183, 0.4177,
0.4490


 127.9903, 0.3627,
0.3853

 6.2139, 0.4348,
0.4695

 160.9620, 0.3591,
0.3812

 2.9756, 0.4762,
0.5180

199.1594, 0.3560,
0.3776

 1.1190, 0.4758,
0.5242

242.9668, 0.3533,

 0.0000, 0.0000,

0.3746

0.0000

292.7688, 0.3509,
0.3718

■ 40.6724, 0.3847,
0.4104

■ 40.6724, 0.3847,
0.4104

■ 38.6538, 0.4031,
0.4282

■ 42.8399, 0.3663,
0.3913

■ 36.7722, 0.4207,
0.4435

■ 45.1564, 0.3486,
0.3716

■ 35.0227, 0.4369,
0.4555

■ 47.6291, 0.3318,
0.3521


■ 33.3973, 0.4508,
0.4632


■ 50.2629, 0.3162,
0.3333

■ 31.8868, 0.4619,
0.4662


■ 53.0625, 0.3019,
0.3154

 30.7941, 0.4688,
0.4660

 56.0325, 0.2889,
0.2987

 59.1771, 0.2772,
0.2833

 62.1600, 0.2696,
0.2743

 64.3541, 0.2701,
0.2794

Harmonies

Analogous

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



40.6724, 0.4096, 0.3811



40.6724, 0.3847, 0.4104



40.6724, 0.3414, 0.4186

Triad

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



40.6724, 0.3847, 0.4104



40.6724, 0.2268, 0.3035



40.6724, 0.3277, 0.2725

Complementary

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



40.6724, 0.3847, 0.4104



22.3694, 0.2397, 0.2310

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.



40.6724, 0.2787, 0.2534



40.6724, 0.3847, 0.4104



40.6724, 0.2238, 0.2676

Square

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



40.6724, 0.3847, 0.4104



40.6724, 0.2510, 0.3522



40.6724, 0.2419, 0.2510



40.6724, 0.3760, 0.3042

Rectangle

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



40.6724, 0.3847, 0.4104



40.6724, 0.3085, 0.4076



40.6724, 0.2419, 0.2510



40.6724, 0.3107, 0.2645

Sweetspot

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



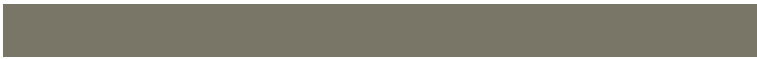
40.6743, 0.3847, 0.4104



84.8834, 0.3332, 0.3538



23.3426, 0.3929, 0.3014



18.0391, 0.3368, 0.3581



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.



40.6743, 0.3847, 0.4104



69.3924, 0.4021, 0.4273



45.9465, 0.3567, 0.4391



10.7256, 0.3270, 0.3464



20.8358, 0.4680, 0.4666



0.9109, 0.4541, 0.4776

Inverse Universe

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



22.3694, 0.2397, 0.2310



32.2661, 0.2219, 0.2043



19.2780, 0.2533, 0.2059



9.5838, 0.2984, 0.3110



3.8321, 0.1578, 0.0882



0.2548, 0.1710, 0.1357

Previews

White Background



This preview shows how the Yxy color 40.6724, 0.3847, 0.4104 looks on a white background.

Color Contrast Check

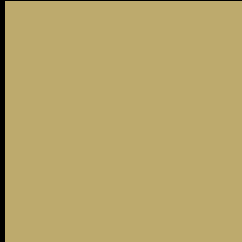
Large Text (above 18pt) WCAG AA × Fail

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 40.6724, 0.3847, 0.4104 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

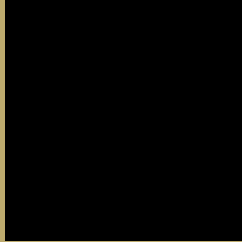
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.6724, 0.3847, 0.4104

Background



This preview shows how black text looks on a background with the Yxy color 40.6724, 0.3847, 0.4104.



This preview shows how white text looks on a background with the Yxy color 40.6724, 0.3847, 0.4104.

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

40.6724, 0.3847, 0.4104

Protanopia

40.6691, 0.3811, 0.4126

Deuteranopia

40.4420, 0.4048, 0.3958



Tritanopia

40.6716, 0.3335, 0.3123

Trichromacy



Original Color

40.6724, 0.3847, 0.4104

Protanomaly

40.7947, 0.3821, 0.4122

Deuteranomaly

40.6776, 0.3970, 0.4010

Tritanomaly

40.4821, 0.3524, 0.3477

Monochromacy



Original Color

40.6724, 0.3847, 0.4104

Achromatopsia

39.6755, 0.3127, 0.3290

Achromatomaly

39.7126, 0.3385, 0.3598

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.6724, 0.3847, 0.4104 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(189, 170, 109)` looks like.

```
.text, #text, p{  
    color:rgb(189, 170, 109)  
}
```

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(189, 170, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 170, 109) }
```

Border

The CSS property to change the border of an element to Yxy 40.6724, 0.3847, 0.4104 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(189, 170, 109) }
```

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

```
.border{ border-color:rgb(189, 170, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 170, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 170, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 170, 109);  
box-shadow:4px 4px 4px 4px rgb(189, 170,  
109) }
```


Background

The CSS property to change the background color of an element to Yxy 40.6724, 0.3847, 0.4104 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 170, 109) }
```

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

```
.background{ background-color: rgb(189,  
170, 109) }
```

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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