

Converting Colors

$Y_{xy}(47.4139, 0.3805, 0.4330)$

Have a look what the booklet for
Yxy(47.4139, 0.3805, 0.4330)
contains.

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Color

Yxy(47.6369, 0.3808, 0.4339)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | BFBB69 |
| RGB | 191, 187, 105 |
| RGB Percent | 75%, 73%, 41% |
| CMY | 0.2509, 0.2667, 0.5884 |
| CMYK | 0.00, 0.02, 0.45, 0.25 |
| HSL | 57°, 40%, 58% |
| HSV | 57°, 45%, 75% |
| XYZ | 41.8072, 47.6369, 20.3437 |
| YIQ | 178.8480, 28.7060, -24.6540 |

Conversions

Conversions Part 2

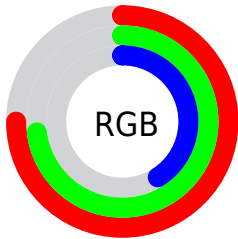
| Format | Color |
|-------------------------------------|---|
| RYB | 109, 191, 105 |
| Decimal | 12565353 |
| CIELab | 74.60, -10.24, 41.86 |
| CIELCh | 75, 43.097, 103.749 |
| Yxy | 47.6369, 0.3808, 0.4339 |
| Android (android.graphics.Color) | 4290755433 (0xFFBFBB69) |
| YUV | 178.8480, -36.4071, 10.6573 |
| Hunter-Lab | 69.0195, -12.6613, 30.8378 |

Details

The Yxy color **47.6369, 0.3808, 0.4339** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **17.6940, 0.2299, 0.1966**, and the grayscale version is **45.1803, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.7095, 0.3698, 0.4149**, and **22.5603, 0.3963, 0.4616** is the 20% darker color. If you saturate the color by 10%, you get **46.9127, 0.3943, 0.4540**, and if you desaturate by 10%, it is **48.4560, 0.3661, 0.4116**.

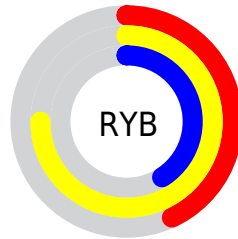
Distribution



Red (75%)

Green (73%)

Blue (41%)



Red (43%)

Yellow (75%)

Blue (41%)

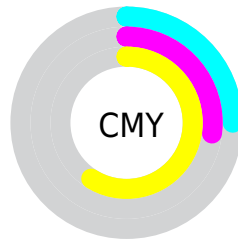


Cyan (0%)

Magenta (2%)

Yellow (45%)

Black (25%)



Cyan (25%)


Magenta (27%)


Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.6369, 0.3808, 0.4339 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 47.6369, 0.3808, 0.4339 by changing the saturation by 10% instead.

 47.6369, 0.3808,
0.4339


 47.6369, 0.3808,
0.4339


377.3511, 0.3487,
0.3818

 33.5394, 0.3878,
0.4464


 86.6635, 0.3698,
0.4153

 22.5400, 0.3961,
0.4619


 112.3615, 0.3655,
0.4081

 14.2542, 0.4058,
0.4814


 142.6951, 0.3617,
0.4021

 8.2977, 0.4164,
0.5061

 178.0487, 0.3584,
0.3969

 4.2860, 0.4401,
0.5549

218.8067, 0.3555,
0.3924

 1.8348, 0.4272,
0.5728

265.3535, 0.3530,

 0.5087, 0.3146,

0.3884

0.6854

318.0735, 0.3507,
0.3849

0.0000, 0.0000,
0.0000

47.6369, 0.3808,
0.4339

47.6369, 0.3808,
0.4339

46.9127, 0.3943,
0.4540

48.4560, 0.3661,
0.4116

46.2709, 0.4060,
0.4709

49.3689, 0.3507,
0.3881

45.7070, 0.4153,
0.4839


50.3828, 0.3352,
0.3642

45.2130, 0.4221,
0.4927

51.5022, 0.3201,
0.3406


44.7797, 0.4262,
0.4973


52.7317, 0.3057,
0.3179

 44.5781, 0.4277,
0.4986

 54.0751, 0.2921,
0.2965

 55.5366, 0.2795,
0.2765

 56.9399, 0.2696,
0.2608

 57.3381, 0.2697,
0.2619

Harmonies

Analogous

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



47.6369, 0.4209, 0.4042



47.6369, 0.3808, 0.4339



47.6369, 0.3245, 0.4333

Triad

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



47.6369, 0.3808, 0.4339



47.6369, 0.2070, 0.2794



47.6369, 0.3526, 0.2742

Complementary

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



47.6369, 0.3808, 0.4339



17.6940, 0.2299, 0.1966

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.



47.6369, 0.2917, 0.2461



47.6369, 0.3808, 0.4339



47.6369, 0.2126, 0.2458

Square

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



47.6369, 0.3808, 0.4339



47.6369, 0.2259, 0.3340



47.6369, 0.2419, 0.2355



47.6369, 0.4059, 0.3146

Rectangle

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



47.6369, 0.3808, 0.4339



47.6369, 0.2859, 0.4112



47.6369, 0.2419, 0.2355



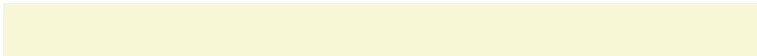
47.6369, 0.3320, 0.2632

Sweetspot

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



47.6391, 0.3808, 0.4339



90.3781, 0.3340, 0.3622



22.2825, 0.4255, 0.3234



19.7549, 0.3373, 0.3674



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.



47.6391, 0.3808, 0.4339



84.0293, 0.3940, 0.4536



44.9911, 0.3439, 0.4526



11.0422, 0.3265, 0.3506



29.3242, 0.4276, 0.4987



1.1724, 0.4254, 0.5004

Inverse Universe

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



17.6940, 0.2299, 0.1966



23.7354, 0.2095, 0.1632



19.7575, 0.2659, 0.2028



9.2948, 0.2984, 0.3064



2.6322, 0.1510, 0.0635



0.1278, 0.1547, 0.0768

Previews

White Background



This preview shows how the Yxy color 47.6369, 0.3808, 0.4339 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 47.6369, 0.3808, 0.4339 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 47.6369, 0.3808, 0.4339

Background



This preview shows how black text looks on a background with the Yxy color 47.6369, 0.3808, 0.4339.



This preview shows how white text looks on a background with the Yxy color 47.6369, 0.3808, 0.4339.

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

47.6369, 0.3808, 0.4339

Protanopia

47.6980, 0.3924, 0.4281

Deuteranopia

47.4306, 0.4154, 0.4065



Tritanopia

47.4852, 0.3214, 0.3118

Trichromacy



Original Color

47.6369, 0.3808, 0.4339

Protanomaly

47.5677, 0.3881, 0.4306

Deuteranomaly

47.1506, 0.4025, 0.4158

Tritanomaly

47.4561, 0.3442, 0.3559

Monochromacy



Original Color

47.6369, 0.3808, 0.4339

Achromatopsia

45.0786, 0.3127, 0.3290

Achromatomaly

45.7902, 0.3380, 0.3691

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.6369, 0.3808, 0.4339 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, 187, 105)` looks like.

```
.text, #text, p{  
    color:rgb(191, 187, 105)  
}
```

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, 187, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 187, 105) }
```

Border

The CSS property to change the border of an element to Yxy 47.6369, 0.3808, 0.4339 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, 187, 105) }
```

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

```
.border{ border-color:rgb(191, 187, 105) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 187, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 187, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 187, 105);  
box-shadow:4px 4px 4px 4px rgb(191, 187,  
105) }
```


Background

The CSS property to change the background color of an element to Yxy 47.6369, 0.3808, 0.4339 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 187, 105) }
```

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

```
.background{ background-color: rgb(191,  
187, 105) }
```

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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