

Converting Colors

$Y_{xy}(46.7039, 0.3836, 0.4277)$

Have a look what the booklet for
Yxy(46.7039, 0.3836, 0.4277)
contains.

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Color

Yxy(46.8119, 0.3837, 0.4272)

Conversions

Conversions Part 1

Format	Color
Hex	C2B86B
RGB	194, 184, 107
RGB Percent	76%, 72%, 42%
CMY	0.2391, 0.2784, 0.5805
CMYK	0.00, 0.05, 0.45, 0.24
HSL	53°, 42%, 59%
HSV	53°, 45%, 76%
XYZ	42.0452, 46.8119, 20.7213
YIQ	178.2120, 30.6770, -21.8270

Conversions

Conversions Part 2

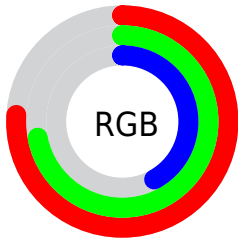
Format	Color
RYB	118, 194, 107
Decimal	12761195
CIELab	74.07, -7.25, 40.25
CIElCh	74, 40.900, 100.217
Yxy	46.8119, 0.3837, 0.4272
Android (android.graphics.Color)	4290951275 (0xFFC2B86B)
YUV	178.2120, -35.1075, 13.8461
Hunter-Lab	68.4192, -10.0411, 29.9370

Details

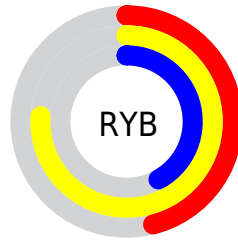
The Yxy color $46.8119, 0.3837, 0.4272$ is a light color, and the websafe version is hex `CCCC66`. A complement of this color would be $19.7411, 0.2318, 0.2065$, and the grayscale version is $44.8174, 0.3127, 0.3290$.

A 20% lighter version of the original color is $85.5537, 0.3717, 0.4096$, and $22.0170, 0.4012, 0.4529$ is the 20% darker color. If you saturate the color by 10%, you get $45.5299, 0.3988, 0.4464$, and if you desaturate by 10%, it is $48.2045, 0.3677, 0.4060$.

Distribution



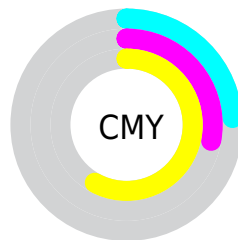
- Red (76%)
- Green (72%)
- Blue (42%)



- Red (46%)
- Yellow (76%)
- Blue (42%)



- Cyan (0%)
- Magenta (5%)
- Yellow (45%)
- Black (24%)





- Cyan (24%)
- Magenta (28%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.8119, 0.3837, 0.4272 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 46.8119, 0.3837, 0.4272 by changing the saturation by 10% instead.


 46.8119, 0.3837,
0.4272

 46.8119, 0.3837,
0.4272


374.0632, 0.3498,
0.3785

 32.8870, 0.3913,
0.4388


 85.4328, 0.3719,
0.4098

 22.0399, 0.4005,
0.4532


 110.8975, 0.3673,
0.4032

 13.8862, 0.4114,
0.4713


 140.9777, 0.3634,
0.3975

 8.0416, 0.4240,
0.4942

 176.0576, 0.3599,
0.3927

 4.1216, 0.4500,
0.5386

216.5217, 0.3569,
0.3884

 1.7418, 0.4443,
0.5557

262.7545, 0.3542,

 0.4505, 0.3579,

0.3847

0.6421

315.1402, 0.3519,
0.3814

0.0000, 0.0000,
0.0000

46.8119, 0.3837,
0.4272

46.8119, 0.3837,
0.4272

45.5299, 0.3988,
0.4464

48.2045, 0.3677,
0.4060

44.3458, 0.4124,
0.4627

49.7068, 0.3514,
0.3838

43.2546, 0.4238,
0.4751

51.3264, 0.3353,
0.3614


42.2483, 0.4327,
0.4833


53.0680, 0.3199,
0.3394


41.3169, 0.4387,
0.4870


54.9363, 0.3054,
0.3183

 40.8576, 0.4412,
0.4879

 56.9355, 0.2919,
0.2985

 59.0698, 0.2795,
0.2800

 60.8713, 0.2724,
0.2701

 61.9262, 0.2726,
0.2726

Harmonies

Analogous

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



46.8119, 0.4191, 0.3970



46.8119, 0.3837, 0.4272



46.8119, 0.3310, 0.4302

Triad

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



46.8119, 0.3837, 0.4272



46.8119, 0.2122, 0.2871



46.8119, 0.3440, 0.2726

Complementary

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



46.8119, 0.3837, 0.4272



19.7411, 0.2318, 0.2065

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.



46.8119, 0.2863, 0.2472



46.8119, 0.3837, 0.4272



46.8119, 0.2148, 0.2520

Square

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



46.8119, 0.3837, 0.4272



46.8119, 0.2333, 0.3409



46.8119, 0.2404, 0.2393



46.8119, 0.3967, 0.3105

Rectangle

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



46.8119, 0.3837, 0.4272



46.8119, 0.2936, 0.4119



46.8119, 0.2404, 0.2393



46.8119, 0.3243, 0.2624

Sweetspot

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



46.8141, 0.3837, 0.4272



93.4762, 0.3327, 0.3577



23.2691, 0.4167, 0.3156



20.3198, 0.3363, 0.3627



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



46.8141, 0.3837, 0.4272



82.4712, 0.3988, 0.4464



47.1948, 0.3488, 0.4501



11.5539, 0.3267, 0.3492



26.9333, 0.4409, 0.4882



1.2210, 0.4354, 0.4925

Inverse Universe

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



19.7411, 0.2318, 0.2065



27.2323, 0.2117, 0.1742



20.0107, 0.2602, 0.2013



9.9306, 0.2983, 0.3080



3.0097, 0.1526, 0.0693



0.1935, 0.1605, 0.0976

Previews

White Background



This preview shows how the Yxy color 46.8119, 0.3837, 0.4272 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 Xy color 46.8119, 0.3837, 0.4272 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

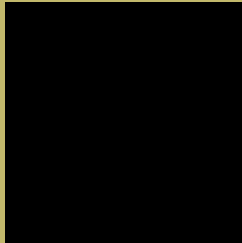
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.8119, 0.3837, 0.4272

Background



This preview shows how black text looks on a background with the Yxy color 46.8119, 0.3837, 0.4272.



This preview shows how white text looks on a background with the Yxy color 46.8119, 0.3837, 0.4272.

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

46.8119, 0.3837, 0.4272

Protanopia

46.7759, 0.3911, 0.4240

Deuteranopia

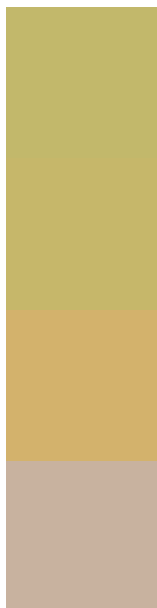
46.7484, 0.4133, 0.4050



Tritanopia

46.5995, 0.3268, 0.3118

Trichromacy



Original Color

46.8119, 0.3837, 0.4272

Protanomaly

46.9133, 0.3887, 0.4258

Deuteranomaly

46.7724, 0.4023, 0.4136

Tritanomaly

46.6234, 0.3485, 0.3532

Monochromacy



Original Color

46.8119, 0.3837, 0.4272

Achromatopsia

44.5201, 0.3127, 0.3290

Achromatomaly

45.0999, 0.3393, 0.3665

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.8119, 0.3837, 0.4272 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(194, 184, 107)` looks like.

```
.text, #text, p{  
    color:rgb(194, 184, 107)  
}
```

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(194, 184, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 184, 107) }
```

Border

The CSS property to change the border of an element to Yxy 46.8119, 0.3837, 0.4272 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(194, 184, 107) }
```

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

```
.border{ border-color:rgb(194, 184, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(194, 184, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 184, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 184, 107);  
box-shadow:4px 4px 4px 4px rgb(194, 184,  
107) }
```


Background

The CSS property to change the background color of an element to Yxy 46.8119, 0.3837, 0.4272 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 184, 107) }
```

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

```
.background{ background-color: rgb(194,  
184, 107) }
```

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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