

Converting Colors

$Y_{xy}(46.7765, 0.3816, 0.4313)$

Have a look what the booklet for
Yxy(46.7765, 0.3816, 0.4313)
contains.

Yxy(46.7942, 0.3818, 0.4317)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(46.7942, 0.3818, 0.4317)

Conversions

Conversions Part 1

Format	Color
Hex	BFB969
RGB	191, 185, 105
RGB Percent	75%, 73%, 41%
CMY	0.2510, 0.2745, 0.5882
CMYK	0.00, 0.03, 0.45, 0.25
HSL	56°, 40%, 58%
HSV	56°, 45%, 75%
XYZ	41.3853, 46.7942, 20.2157
YIQ	177.6740, 29.2560, -23.6080

Conversions

Conversions Part 2

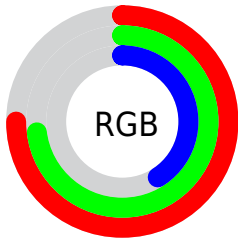
Format	Color
RYB	111, 191, 105
Decimal	12564841
CIELab	74.06, -9.21, 41.18
CIElCh	74, 42.193, 102.608
Yxy	46.7942, 0.3818, 0.4317
Android (android.graphics.Color)	4290754921 (0xFFBFB969)
YUV	177.6740, -35.8283, 11.6869
Hunter-Lab	68.4063, -11.7199, 30.3628

Details

The Yxy color **46.7942, 0.3818, 0.4317** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **18.1345, 0.2305, 0.1999**, and the grayscale version is **44.5221, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.5190, 0.3705, 0.4131**, and **22.0126, 0.3981, 0.4589** is the 20% darker color. If you saturate the color by 10%, you get **45.8918, 0.3958, 0.4515**, and if you desaturate by 10%, it is **47.7944, 0.3666, 0.4098**.

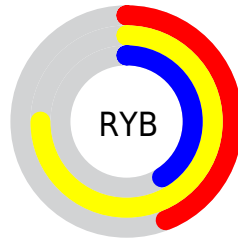
Distribution



Red (75%)

Green (73%)

Blue (41%)



Red (44%)

Yellow (75%)

Blue (41%)

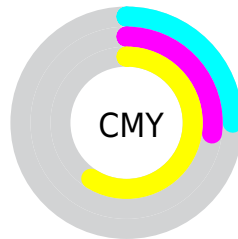


Cyan (0%)

Magenta (3%)

Yellow (45%)

Black (25%)



Cyan (25%)

Magenta (27%)

Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.7942, 0.3818, 0.4317 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 46.7942, 0.3818, 0.4317 by changing the saturation by 10% instead.


 46.7942, 0.3818,
0.4317


 46.7942, 0.3818,
0.4317


373.9925, 0.3490,
0.3806


 32.8730, 0.3891,
0.4439


 85.4063, 0.3705,
0.4134

 22.0292, 0.3977,
0.4592


 110.8661, 0.3661,
0.4064

 13.8783, 0.4078,
0.4783


 140.9408, 0.3622,
0.4005

 8.0361, 0.4191,
0.5026

 176.0148, 0.3589,
0.3954

 4.1181, 0.4451,
0.5520

216.4726, 0.3560,
0.3910

 1.7398, 0.4324,
0.5676

262.6986, 0.3534,

 0.4492, 0.3103,

0.3871

0.6897

315.0770, 0.3511,
0.3836

0.0000, 0.0000,
0.0000

46.7942, 0.3818,
0.4317

46.7942, 0.3818,
0.4317

45.8918, 0.3958,
0.4515

47.7944, 0.3666,
0.4098

45.0746, 0.4081,
0.4682

48.8912, 0.3510,
0.3867

44.3382, 0.4181,
0.4811


50.0920, 0.3353,
0.3633

43.6747, 0.4256,
0.4896

51.4012, 0.3201,
0.3403


43.0746, 0.4303,
0.4939

52.8233, 0.3056,
0.3181

 42.7900, 0.4321,
0.4951

 54.3624, 0.2921,
0.2972

 56.0224, 0.2796,
0.2778

 57.6249, 0.2698,
0.2626

 58.2274, 0.2699,
0.2641

Harmonies

Analogous

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



46.7942, 0.4204, 0.4018



46.7942, 0.3818, 0.4317



46.7942, 0.3267, 0.4323

Triad

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



46.7942, 0.3818, 0.4317



46.7942, 0.2087, 0.2819



46.7942, 0.3497, 0.2737

Complementary

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



46.7942, 0.3818, 0.4317



18.1345, 0.2305, 0.1999

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.



46.7942, 0.2899, 0.2465



46.7942, 0.3818, 0.4317



46.7942, 0.2133, 0.2478

Square

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



46.7942, 0.3818, 0.4317



46.7942, 0.2284, 0.3363



46.7942, 0.2414, 0.2367



46.7942, 0.4029, 0.3132

Rectangle

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



46.7942, 0.3818, 0.4317



46.7942, 0.2884, 0.4115



46.7942, 0.2414, 0.2367



46.7942, 0.3295, 0.2629

Sweetspot

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



46.7964, 0.3818, 0.4317



89.8929, 0.3341, 0.3614



22.3542, 0.4212, 0.3195



19.6321, 0.3375, 0.3665



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.



46.7964, 0.3818, 0.4317



82.2157, 0.3956, 0.4512



45.2684, 0.3464, 0.4515



11.0035, 0.3266, 0.3501



28.1688, 0.4319, 0.4953



1.1379, 0.4286, 0.4979

Inverse Universe

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



18.1345, 0.2305, 0.1999



24.4902, 0.2103, 0.1669



19.5138, 0.2629, 0.2019



9.3294, 0.2984, 0.3070



2.7121, 0.1515, 0.0652



0.1432, 0.1569, 0.0847

Previews

White Background



This preview shows how the Yxy color 46.7942, 0.3818, 0.4317 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 46.7942, 0.3818, 0.4317 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 46.7942, 0.3818, 0.4317

Background



This preview shows how black text looks on a background with the Yxy color 46.7942, 0.3818, 0.4317.



This preview shows how white text looks on a background with the Yxy color 46.7942, 0.3818, 0.4317.

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

46.7942, 0.3818, 0.4317

Protanopia

46.7347, 0.3927, 0.4263

Deuteranopia

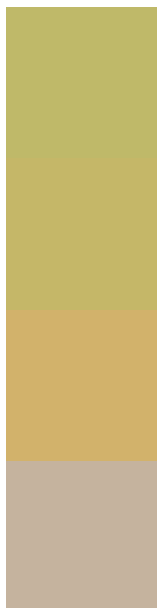
46.7270, 0.4141, 0.4060



Tritanopia

46.6134, 0.3232, 0.3117

Trichromacy



Original Color

46.7942, 0.3818, 0.4317

Protanomaly

46.7368, 0.3893, 0.4285

Deuteranomaly

46.6040, 0.4021, 0.4151

Tritanomaly

46.5791, 0.3463, 0.3560

Monochromacy



Original Color

46.7942, 0.3818, 0.4317

Achromatopsia

44.5201, 0.3127, 0.3290

Achromatomaly

45.3494, 0.3390, 0.3692

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.7942, 0.3818, 0.4317 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, 185, 105)` looks like.

```
.text, #text, p{  
    color:rgb(191, 185, 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, 185, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 185, 105) }
```

Border

The CSS property to change the border of an element to Yxy 46.7942, 0.3818, 0.4317 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, 185, 105) }
```

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

```
.border{ border-color:rgb(191, 185, 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, 185, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 185, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 185, 105);  
box-shadow:4px 4px 4px 4px rgb(191, 185,  
105) }
```


Background

The CSS property to change the background color of an element to Yxy 46.7942, 0.3818, 0.4317 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 185, 105) }
```

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

```
.background{ background-color: rgb(191,  
185, 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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