

Converting Colors

$Yxy(46.8406, 0.3409, 0.4117)$

Have a look what the booklet for
Yxy(46.8406, 0.3409, 0.4117)
contains.

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Color

Yxy(46.8736, 0.3410, 0.4119)

Conversions

Conversions Part 1

Format	Color
Hex	A9BE82
RGB	169, 190, 130
RGB Percent	66%, 75%, 51%
CMY	0.3372, 0.2549, 0.4902
CMYK	0.11, 0.00, 0.32, 0.25
HSL	81°, 32%, 63%
HSV	81°, 32%, 75%
XYZ	38.8053, 46.8736, 28.1196
YIQ	176.8810, 6.7440, -23.1120

Conversions

Conversions Part 2

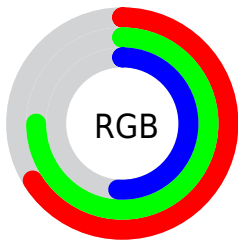
Format	Color
RYB	130, 190, 151
Decimal	11124354
CIELab	74.11, -17.47, 28.00
CIELCh	74, 33.002, 121.971
Yxy	46.8736, 0.3410, 0.4119
Android (android.graphics.Color)	4289314434 (0xFFA9BE82)
YUV	176.8810, -23.1123, -6.9116
Hunter-Lab	68.4643, -18.6394, 23.5735

Details

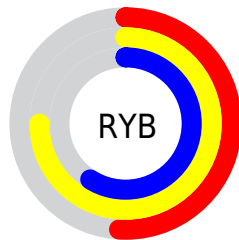
The Yxy color **46.8736, 0.3410, 0.4119** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **26.2613, 0.2768, 0.2420**, and the grayscale version is **44.0228, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.3380, 0.3369, 0.3963**, and **22.1835, 0.3469, 0.4373** is the 20% darker color. If you saturate the color by 10%, you get **45.6948, 0.3490, 0.4398**, and if you desaturate by 10%, it is **48.1881, 0.3323, 0.3843**.

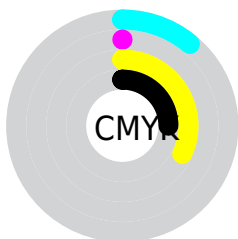
Distribution



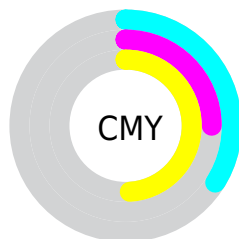
- Red (66%)
- Green (75%)
- Blue (51%)



- Red (51%)
- Yellow (75%)
- Blue (59%)



- Cyan (11%)
- Magenta (0%)
- Yellow (32%)
- Black (25%)



- Cyan (34%)
- Magenta (25%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.8736, 0.3410, 0.4119 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 46.8736, 0.3410, 0.4119 by changing the saturation by 10% instead.

■ 46.8736, 0.3410,
0.4119

■ 46.8736, 0.3410,
0.4119

374.3098, 0.3278,
0.3693

■ 32.9357, 0.3439,
0.4228

■ 85.5249, 0.3365,
0.3962

■ 22.0772, 0.3473,
0.4369

■ 111.0072, 0.3347,
0.3904

■ 13.9137, 0.3513,
0.4558

■ 141.1063, 0.3332,
0.3855

■ 8.0606, 0.3558,
0.4821

176.2068, 0.3318,
0.3813

■ 4.1338, 0.3596,
0.5209

216.6930, 0.3307,
0.3777

■ 1.7487, 0.3812,
0.6188

262.9493, 0.3296,

■ 0.4549, 0.0125,

0.3745

0.9875

315.3601, 0.3287,
0.3718

■ 0.0000, 0.0000,
0.0000

■ 46.8736, 0.3410,
0.4119

■ 46.8736, 0.3410,
0.4119

■ 45.6948, 0.3490,
0.4398

■ 48.1881, 0.3323,
0.3843

■ 44.6398, 0.3557,
0.4670

■ 49.6376, 0.3232,
0.3578

■ 43.7044, 0.3607,
0.4923

■ 51.2290, 0.3141,
0.3328

■ 42.8818, 0.3636,
0.5144

■ 52.9670, 0.3053,
0.3097

■ 42.1639, 0.3640,
0.5323

■ 54.8562, 0.2968,
0.2885

■ 41.5416, 0.3620,
0.5454

■ 56.9008, 0.2888,
0.2693

■ 41.0774, 0.3590,
0.5532

■ 58.5788, 0.2864,
0.2595

■ 59.6093, 0.2912,
0.2605

■ 60.6813, 0.2961,
0.2614

Harmonies

Analogous

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



46.8736, 0.3808, 0.4041



46.8736, 0.3410, 0.4119



46.8736, 0.2954, 0.3927

Triad

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



46.8736, 0.3410, 0.4119



46.8736, 0.2295, 0.2729



46.8736, 0.3702, 0.3050

Complementary

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



46.8736, 0.3410, 0.4119



26.2613, 0.2768, 0.2420

Split Complementary

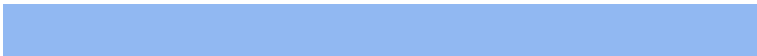
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



46.8736, 0.3253, 0.2755



46.8736, 0.3410, 0.4119



46.8736, 0.2459, 0.2565

Square

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



46.8736, 0.3410, 0.4119



46.8736, 0.2331, 0.3069



46.8736, 0.2799, 0.2581



46.8736, 0.3994, 0.3410

Rectangle

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



46.8736, 0.3410, 0.4119



46.8736, 0.2680, 0.3670



46.8736, 0.2799, 0.2581



46.8736, 0.3562, 0.2941

Sweetspot

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



46.8757, 0.3410, 0.4119



90.6252, 0.3210, 0.3515



34.3717, 0.3753, 0.3566



19.8099, 0.3223, 0.3553



97.7402, 0.3127, 0.3290



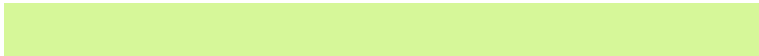
20.4902, 0.3127, 0.3290

Same Dimension

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



46.8757, 0.3410, 0.4119



83.4126, 0.3467, 0.4316



44.0154, 0.3163, 0.4187



10.9489, 0.3212, 0.3520



27.3580, 0.3597, 0.5526



1.1068, 0.3743, 0.5410

Inverse Universe

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



26.2613, 0.2768, 0.2420



40.1069, 0.2668, 0.2202



29.3859, 0.3060, 0.2491



9.3834, 0.3037, 0.3057



3.2935, 0.1779, 0.0754



0.1660, 0.2064, 0.0910

Previews

White Background



This preview shows how the Yxy color 46.8736, 0.3410, 0.4119 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 46.8736, 0.3410, 0.4119 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

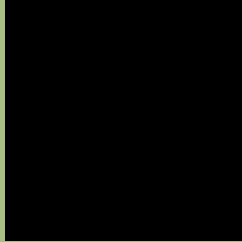
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.8736, 0.3410, 0.4119

Background



This preview shows how black text looks on a background with the Yxy color 46.8736, 0.3410, 0.4119.



This preview shows how white text looks on a background with the Yxy color 46.8736, 0.3410, 0.4119.

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

46.8736, 0.3410, 0.4119

Protanopia

46.7240, 0.3707, 0.3998

Deuteranopia

46.4126, 0.3870, 0.3790



Tritanopia

46.9064, 0.2986, 0.3109

Trichromacy



Original Color

46.8736, 0.3410, 0.4119

Protanomaly

46.6955, 0.3595, 0.4045

Deuteranomaly

46.3142, 0.3692, 0.3907

Tritanomaly

46.7904, 0.3144, 0.3464

Monochromacy



Original Color

46.8736, 0.3410, 0.4119

Achromatopsia

43.9657, 0.3127, 0.3290

Achromatomaly

44.9926, 0.3234, 0.3590

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.8736, 0.3410, 0.4119 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(169, 190, 130)` looks like.

```
.text, #text, p{  
    color:rgb(169, 190, 130)  
}
```

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(169, 190, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 190, 130) }
```

Border

The CSS property to change the border of an element to Yxy 46.8736, 0.3410, 0.4119 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(169, 190, 130) }
```

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

```
.border{ border-color:rgb(169, 190, 130) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 190, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 190, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 190, 130);  
box-shadow:4px 4px 4px 4px rgb(169, 190,  
130) }
```


Background

The CSS property to change the background color of an element to Yxy 46.8736, 0.3410, 0.4119 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 190, 130) }
```

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

```
.background{ background-color: rgb(169,  
190, 130) }
```

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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