

Converting Colors

Yxy(46.8933, 0.3214, 0.4685)

Have a look what the booklet for
Yxy(46.8933, 0.3214, 0.4685)
contains.

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Color

Yxy(46.9384, 0.3213, 0.4689)

Conversions

Conversions Part 1

Format	Color
Hex	80C86A
RGB	128, 200, 106
RGB Percent	50%, 78%, 42%
CMY	0.4979, 0.2157, 0.5843
CMYK	0.36, 0.00, 0.47, 0.22
HSL	106°, 46%, 60%
HSV	106°, 47%, 78%
XYZ	32.1632, 46.9384, 21.0017
YIQ	167.7560, -12.7380, -44.4980

Conversions

Conversions Part 2

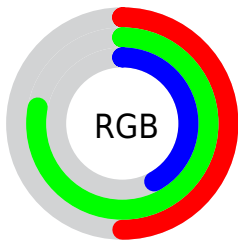
Format	Color
RYB	106, 200, 178
Decimal	8439914
CIELab	74.15, -40.15, 39.88
CIELCh	74, 56.589, 135.199
Yxy	46.9384, 0.3213, 0.4689
Android (android.graphics.Color)	4286629994 (0xFF80C86A)
YUV	167.7560, -30.4457, -34.8660
Hunter-Lab	68.5116, -36.0975, 29.7833

Details

The Yxy color **46.9384, 0.3213, 0.4689** is a dark color, and the websafe version is hex **99CC66**. A complement of this color would be **23.9394, 0.2942, 0.2075**, and the grayscale version is **39.1947, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.2136, 0.3221, 0.4391**, and **21.9922, 0.3183, 0.5124** is the 20% darker color. If you saturate the color by 10%, you get **45.4721, 0.3212, 0.5017**, and if you desaturate by 10%, it is **48.6849, 0.3205, 0.4357**.

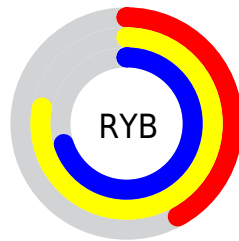
Distribution



Red (50%)

Green (78%)

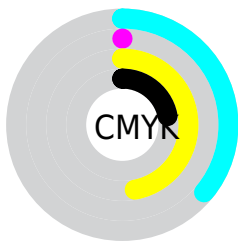
Blue (42%)



Red (42%)

Yellow (78%)

Blue (70%)

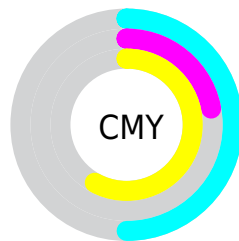


Cyan (36%)

Magenta (0%)

Yellow (47%)

Black (22%)



Cyan (50%)


Magenta (22%)

Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.9384, 0.3213, 0.4689 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 46.9384, 0.3213, 0.4689 by changing the saturation by 10% instead.


 46.9384, 0.3213,
0.4689


 46.9384, 0.3213,
0.4689


374.5686, 0.3202,
0.3950

 32.9870, 0.3203,
0.4882


 85.6217, 0.3218,
0.4413


 22.1165, 0.3182,
0.5134

 111.1223, 0.3217,
0.4311

 13.9425, 0.3139,
0.5472


 141.2414, 0.3215,
0.4226

 8.0807, 0.3048,
0.5940

 176.3635, 0.3212,
0.4154

 4.1466, 0.2948,
0.6848

216.8728, 0.3210,
0.4092

 1.7559, 0.2246,
0.7754

263.1538, 0.3207,

 0.4595, 0.0000,

0.4039

1.0000

315.5910, 0.3204,
0.3992

■ 0.0000, 0.0000,
0.0000

■ 46.9384, 0.3213,
0.4689

■ 46.9384, 0.3213,
0.4689

■ 45.4721, 0.3212,
0.5017

■ 48.6849, 0.3205,
0.4357

■ 44.2652, 0.3200,
0.5322

■ 50.7192, 0.3189,
0.4036

■ 43.3033, 0.3175,
0.5581


■ 53.0562, 0.3168,
0.3737


■ 42.5680, 0.3141,
0.5777

■ 55.7077, 0.3145,
0.3464

■ 42.0368, 0.3099,
0.5901


■ 58.6851, 0.3120,
0.3220

 41.9088, 0.3088,
0.5930

 61.9991, 0.3094,
0.3003

 65.6600, 0.3069,
0.2814

 68.9482, 0.3120,
0.2746

 69.7869, 0.3152,
0.2752

Harmonies

Analogous

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



46.9384, 0.3947, 0.4667



46.9384, 0.3213, 0.4689



46.9384, 0.2496, 0.4140

Triad

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



46.9384, 0.3213, 0.4689



46.9384, 0.1869, 0.2203



46.9384, 0.4385, 0.3109

Complementary

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



46.9384, 0.3213, 0.4689



23.9394, 0.2942, 0.2075

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.



46.9384, 0.3682, 0.2609



46.9384, 0.3213, 0.4689



46.9384, 0.2239, 0.2105

Square

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



46.9384, 0.3213, 0.4689



46.9384, 0.1781, 0.2593



46.9384, 0.2877, 0.2254



46.9384, 0.4687, 0.3679

Rectangle

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



46.9384, 0.3213, 0.4689



46.9384, 0.2126, 0.3579



46.9384, 0.2877, 0.2254



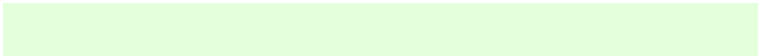
46.9384, 0.4183, 0.2931

Sweetspot

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



46.9404, 0.3213, 0.4689



93.0905, 0.3162, 0.3658



44.5663, 0.3943, 0.4179



19.7187, 0.3167, 0.3719



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.



46.9404, 0.3213, 0.4689



78.7764, 0.3212, 0.5011



45.9699, 0.2920, 0.4388



12.0059, 0.3150, 0.3526



26.6826, 0.3095, 0.5924



1.2977, 0.3249, 0.5802

Inverse Universe

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



23.9394, 0.2942, 0.2075



34.3057, 0.2886, 0.1839



25.7427, 0.3446, 0.2407



10.6865, 0.3101, 0.3060



7.0064, 0.2627, 0.1221



0.3631, 0.2755, 0.1291

Previews

White Background



This preview shows how the Yxy color 46.9384, 0.3213, 0.4689 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 46.9384, 0.3213, 0.4689 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

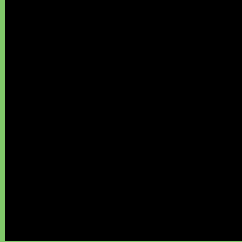
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.9384, 0.3213, 0.4689

Background



This preview shows how black text looks on a background with the Yxy color 46.9384, 0.3213, 0.4689.



This preview shows how white text looks on a background with the Yxy color 46.9384, 0.3213, 0.4689.

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

46.9384, 0.3213, 0.4689

Protanopia

46.6361, 0.3963, 0.4319

Deuteranopia

46.1171, 0.4096, 0.4012



Tritanopia

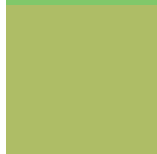
46.7746, 0.2690, 0.3086

Trichromacy



Original Color

46.9384, 0.3213, 0.4689



Protanomaly

46.3532, 0.3662, 0.4461



Deuteranomaly

45.4319, 0.3744, 0.4252



Tritanomaly

46.4560, 0.2889, 0.3649

Monochromacy



Original Color

46.9384, 0.3213, 0.4689



Achromatopsia

39.1572, 0.3127, 0.3290



Achromatomaly

41.4592, 0.3172, 0.3804

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.9384, 0.3213, 0.4689 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(128, 200, 106)` looks like.

```
.text, #text, p{  
    color:rgb(128, 200, 106)  
}
```

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(128, 200, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 200, 106) }
```

Border

The CSS property to change the border of an element to Yxy 46.9384, 0.3213, 0.4689 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(128, 200, 106) }
```

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

```
.border{ border-color:rgb(128, 200, 106) }
```

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

Here you see how a box with a 4 pixel rgb(128, 200, 106) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 200, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 200, 106);  
box-shadow:4px 4px 4px 4px rgb(128, 200,  
106) }
```


Background

The CSS property to change the background color of an element to Yxy 46.9384, 0.3213, 0.4689 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 200, 106) }
```

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

```
.background{ background-color: rgb(128,  
200, 106) }
```

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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