

Converting Colors

$Y_{xy}(46.1830, 0.3304, 0.4125)$

Have a look what the booklet for
Yxy(46.1830, 0.3304, 0.4125)
contains.

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Color

Yxy(46.2985, 0.3306, 0.4126)

Conversions

Conversions Part 1

Format	Color
Hex	9FBF84
RGB	159, 191, 132
RGB Percent	62%, 75%, 52%
CMY	0.3764, 0.2510, 0.4823
CMYK	0.17, 0.00, 0.31, 0.25
HSL	93°, 32%, 63%
HSV	93°, 31%, 75%
XYZ	37.0972, 46.2985, 28.8159
YIQ	174.7060, -0.1330, -25.1330

Conversions

Conversions Part 2

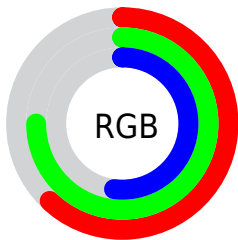
Format	Color
RYB	132, 191, 164
Decimal	10469252
CIELab	73.74, -21.40, 26.32
CIELCh	74, 33.921, 129.123
Yxy	46.2985, 0.3306, 0.4126
Android (android.graphics.Color)	4288659332 (0xFF9FBF84)
YUV	174.7060, -21.0541, -13.7742
Hunter-Lab	68.0430, -21.7568, 22.5210

Details

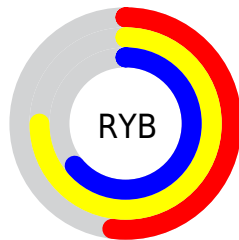
The Yxy color **46.2985, 0.3306, 0.4126** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **28.1604, 0.2889, 0.2468**, and the grayscale version is **42.8238, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.3205, 0.3281, 0.3967**, and **21.6263, 0.3344, 0.4374** is the 20% darker color. If you saturate the color by 10%, you get **44.8095, 0.3353, 0.4428**, and if you desaturate by 10%, it is **47.9759, 0.3251, 0.3835**.

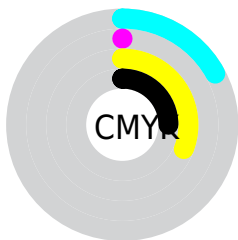
Distribution



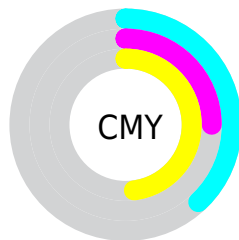
- Red (62%)
- Green (75%)
- Blue (52%)



- Red (52%)
- Yellow (75%)
- Blue (64%)



- Cyan (17%)
- Magenta (0%)
- Yellow (31%)
- Black (25%)



- Cyan (38%)
- Magenta (25%)
- Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.2985, 0.3306, 0.4126 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 46.2985, 0.3306, 0.4126 by changing the saturation by 10% instead.

 46.2985, 0.3306,
0.4126

 46.2985, 0.3306,
0.4126


372.0074, 0.3227,
0.3693


 32.4814, 0.3322,
0.4238


 84.6656, 0.3280,
0.3965

 21.7295, 0.3339,
0.4385


 109.9843, 0.3269,
0.3906

 13.6583, 0.3358,
0.4583


 139.9058, 0.3260,
0.3856

 7.8834, 0.3372,
0.4864

174.8144, 0.3252,
0.3813

 4.0204, 0.3367,
0.5288

215.0944, 0.3244,
0.3777

 1.6850, 0.3546,
0.6454

261.1303, 0.3238,

 0.4139, 0.0000,

0.3745

1.0000

313.3066, 0.3232,
0.3717

0.0000, 0.0000,
0.0000

46.2985, 0.3306,
0.4126

46.2985, 0.3306,
0.4126

44.8095, 0.3353,
0.4428

47.9759, 0.3251,
0.3835

43.4956, 0.3390,
0.4729

49.8427, 0.3192,
0.3562

42.3508, 0.3411,
0.5018


51.9074, 0.3132,
0.3311

41.3664, 0.3413,
0.5277


54.1762, 0.3073,
0.3083

40.5325, 0.3394,
0.5493

56.6549, 0.3016,
0.2878


 39.8381, 0.3356,
0.5652

 59.3493, 0.2961,
0.2694

 39.3088, 0.3309,
0.5755

 61.5552, 0.2981,
0.2629

 63.3348, 0.3058,
0.2644

 65.2182, 0.3136,
0.2659

Harmonies

Analogous

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



46.2985, 0.3743, 0.4107



46.2985, 0.3306, 0.4126



46.2985, 0.2841, 0.3863

Triad

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



46.2985, 0.3306, 0.4126



46.2985, 0.2293, 0.2654



46.2985, 0.3812, 0.3126

Complementary

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



46.2985, 0.3306, 0.4126



28.1604, 0.2889, 0.2468

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.



46.2985, 0.3374, 0.2802



46.2985, 0.3306, 0.4126



46.2985, 0.2508, 0.2531

Square

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



46.2985, 0.3306, 0.4126



46.2985, 0.2279, 0.2963



46.2985, 0.2893, 0.2590



46.2985, 0.4057, 0.3503

Rectangle

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



46.2985, 0.3306, 0.4126



46.2985, 0.2578, 0.3572



46.2985, 0.2893, 0.2590



46.2985, 0.3681, 0.3009

Sweetspot

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



46.3005, 0.3306, 0.4126



89.8867, 0.3182, 0.3517



39.1055, 0.3689, 0.3715



19.6233, 0.3191, 0.3555



97.7402, 0.3127, 0.3290



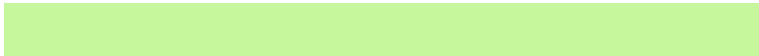
20.4902, 0.3127, 0.3290

Same Dimension

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



46.3005, 0.3306, 0.4126



81.0993, 0.3339, 0.4328



43.8888, 0.3072, 0.4154



10.8578, 0.3183, 0.3522



25.8802, 0.3319, 0.5747



1.0526, 0.3512, 0.5594

Inverse Universe

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



28.1604, 0.2889, 0.2468



43.5006, 0.2823, 0.2274



31.2586, 0.3182, 0.2555



9.4733, 0.3067, 0.3059



4.4373, 0.2119, 0.0941



0.2123, 0.2373, 0.1081

Previews

White Background



This preview shows how the Yxy color 46.2985, 0.3306, 0.4126 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 46.2985, 0.3306, 0.4126 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

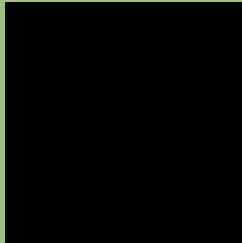
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.2985, 0.3306, 0.4126

Background



This preview shows how black text looks on a background with the Yxy color 46.2985, 0.3306, 0.4126.



This preview shows how white text looks on a background with the Yxy color 46.2985, 0.3306, 0.4126.

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

46.2985, 0.3306, 0.4126

Protanopia

46.2084, 0.3694, 0.3976

Deuteranopia

45.8108, 0.3829, 0.3746



Tritanopia

46.3332, 0.2907, 0.3106

Trichromacy



Original Color

46.2985, 0.3306, 0.4126

Protanomaly

46.2280, 0.3550, 0.4042

Deuteranomaly

45.7292, 0.3620, 0.3878

Tritanomaly

46.1343, 0.3053, 0.3467

Monochromacy



Original Color

46.2985, 0.3306, 0.4126

Achromatopsia

42.8690, 0.3127, 0.3290

Achromatomaly

43.9860, 0.3199, 0.3595

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.2985, 0.3306, 0.4126 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(159, 191, 132)` looks like.

```
.text, #text, p{  
    color:rgb(159, 191, 132)  
}
```

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(159, 191, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 191, 132) }
```

Border

The CSS property to change the border of an element to Yxy 46.2985, 0.3306, 0.4126 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(159, 191, 132) }
```

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

```
.border{ border-color:rgb(159, 191, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 191, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 191, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 191, 132);  
box-shadow:4px 4px 4px 4px rgb(159, 191,  
132) }
```


Background

The CSS property to change the background color of an element to Yxy 46.2985, 0.3306, 0.4126 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 191, 132) }
```

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

```
.background{ background-color: rgb(159,  
191, 132) }
```

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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