

Converting Colors

$Yxy(46.5937, 0.3383, 0.4114)$

Have a look what the booklet for
Yxy(46.5937, 0.3383, 0.4114)
contains.

Yxy(46.6811, 0.3385, 0.4110)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(46.6811, 0.3385, 0.4110)

Conversions

Conversions Part 1

Format	Color
Hex	A7BE83
RGB	167, 190, 131
RGB Percent	65%, 75%, 51%
CMY	0.3451, 0.2549, 0.4863
CMYK	0.12, 0.00, 0.31, 0.25
HSL	83°, 31%, 63%
HSV	83°, 31%, 75%
XYZ	38.4466, 46.6811, 28.4516
YIQ	176.3970, 5.2310, -23.2250

Conversions

Conversions Part 2

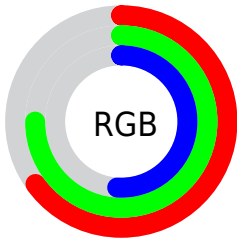
Format	Color
RYB	131, 190, 154
Decimal	10993283
CIELab	73.99, -18.09, 27.28
CIElCh	74, 32.735, 123.543
Yxy	46.6811, 0.3385, 0.4110
Android (android.graphics.Color)	4289183363 (0xFFA7BE83)
YUV	176.3970, -22.3807, -8.2412
Hunter-Lab	68.3236, -19.1219, 23.1367

Details

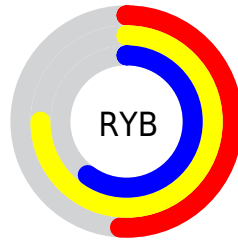
The Yxy color **46.6811, 0.3385, 0.4110** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **26.8158, 0.2798, 0.2442**, and the grayscale version is **43.7521, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.0602, 0.3350, 0.3955**, and **22.0628, 0.3436, 0.4364** is the 20% darker color. If you saturate the color by 10%, you get **45.4308, 0.3458, 0.4394**, and if you desaturate by 10%, it is **48.0761, 0.3304, 0.3831**.

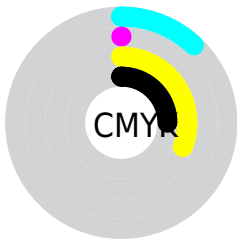
Distribution



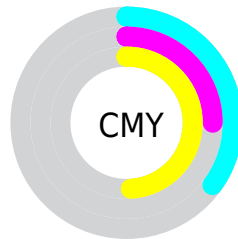
- Red (65%)
- Green (75%)
- Blue (51%)



- Red (51%)
- Yellow (75%)
- Blue (60%)



- Cyan (12%)
- Magenta (0%)
- Yellow (31%)
- Black (25%)





- Cyan (35%)
- Magenta (25%)
- Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.6811, 0.3385, 0.4110 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 46.6811, 0.3385, 0.4110 by changing the saturation by 10% instead.

 46.6811, 0.3385,
0.4110


 46.6811, 0.3385,
0.4110


373.5402, 0.3266,
0.3688


 32.7836, 0.3411,
0.4218

 85.2374, 0.3344,
0.3954

 21.9607, 0.3441,
0.4359


 110.6650, 0.3328,
0.3896

 13.8281, 0.3477,
0.4547


 140.7048, 0.3314,
0.3848

 8.0012, 0.3516,
0.4812

175.7412, 0.3302,
0.3806

 4.0957, 0.3546,
0.5204

216.1585, 0.3291,
0.3770

 1.7272, 0.3768,
0.6232

262.3412, 0.3282,

 0.4412, 0.0000,

0.3739

1.0000

314.6736, 0.3273,
0.3712

0.0000, 0.0000,
0.0000

46.6811, 0.3385,
0.4110

46.6811, 0.3385,
0.4110

45.4308, 0.3458,
0.4394

48.0761, 0.3304,
0.3831

44.3132, 0.3519,
0.4673

49.6153, 0.3220,
0.3565

43.3238, 0.3564,
0.4934


51.3058, 0.3136,
0.3315

42.4556, 0.3587,
0.5165


53.1526, 0.3054,
0.3085

41.7005, 0.3587,
0.5354


55.1603, 0.2975,
0.2876


 41.0491, 0.3563,
0.5494

 57.3334, 0.2900,
0.2687

 40.5390, 0.3527,
0.5582

 59.0833, 0.2888,
0.2600

 60.2563, 0.2942,
0.2611

 61.4810, 0.2997,
0.2621

Harmonies

Analogous

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



46.6811, 0.3786, 0.4046



46.6811, 0.3385, 0.4110



46.6811, 0.2932, 0.3905

Triad

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



46.6811, 0.3385, 0.4110



46.6811, 0.2304, 0.2720



46.6811, 0.3718, 0.3069

Complementary

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



46.6811, 0.3385, 0.4110



26.8158, 0.2798, 0.2442

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.



46.6811, 0.3277, 0.2771



46.6811, 0.3385, 0.4110



46.6811, 0.2477, 0.2566

Square

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



46.6811, 0.3385, 0.4110



46.6811, 0.2329, 0.3049



46.6811, 0.2823, 0.2591



46.6811, 0.3997, 0.3429

Rectangle

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



46.6811, 0.3385, 0.4110



46.6811, 0.2663, 0.3644



46.6811, 0.2823, 0.2591



46.6811, 0.3582, 0.2960

Sweetspot

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



46.6831, 0.3385, 0.4110



90.4711, 0.3204, 0.3516



35.5689, 0.3728, 0.3601



19.7709, 0.3217, 0.3553



97.7402, 0.3127, 0.3290



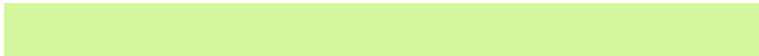
20.4902, 0.3127, 0.3290

Same Dimension

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



46.6831, 0.3385, 0.4110



83.0807, 0.3434, 0.4296



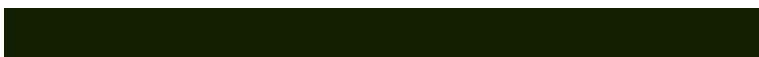
43.8595, 0.3139, 0.4176



10.9299, 0.3206, 0.3521



27.0013, 0.3535, 0.5575



1.0944, 0.3694, 0.5449

Inverse Universe

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



26.8158, 0.2798, 0.2442



41.5978, 0.2711, 0.2242



30.0290, 0.3092, 0.2512



9.4018, 0.3043, 0.3057



3.4837, 0.1840, 0.0787



0.1745, 0.2124, 0.0944

Previews

White Background



This preview shows how the Yxy color 46.6811, 0.3385, 0.4110 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 46.6811, 0.3385, 0.4110 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

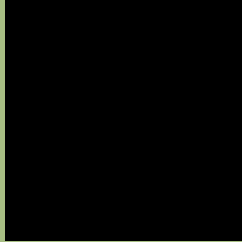
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.6811, 0.3385, 0.4110

Background



This preview shows how black text looks on a background with the Yxy color 46.6811, 0.3385, 0.4110.



This preview shows how white text looks on a background with the Yxy color 46.6811, 0.3385, 0.4110.

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

46.6811, 0.3385, 0.4110

Protanopia

46.3158, 0.3711, 0.3987

Deuteranopia

46.2895, 0.3852, 0.3780



Tritanopia

46.6715, 0.2970, 0.3108

Trichromacy



Original Color

46.6811, 0.3385, 0.4110

Protanomaly

46.1538, 0.3589, 0.4036

Deuteranomaly

46.2063, 0.3675, 0.3896

Tritanomaly

46.5607, 0.3127, 0.3465

Monochromacy



Original Color

46.6811, 0.3385, 0.4110

Achromatopsia

43.4154, 0.3127, 0.3290

Achromatomaly

44.4700, 0.3226, 0.3578

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.6811, 0.3385, 0.4110 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(167, 190, 131)` looks like.

```
.text, #text, p{  
    color:rgb(167, 190, 131)  
}
```

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(167, 190, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 190, 131) }
```

Border

The CSS property to change the border of an element to Yxy 46.6811, 0.3385, 0.4110 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(167, 190, 131) }
```

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

```
.border{ border-color:rgb(167, 190, 131) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 190, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(167, 190, 131); -webkit-box-shadow:4px 4px 4px 4px rgb(167, 190, 131); box-shadow:4px 4px 4px 4px rgb(167, 190, 131) }
```


Background

The CSS property to change the background color of an element to Yxy 46.6811, 0.3385, 0.4110 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 190, 131) }
```

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

```
.background{ background-color: rgb(167,  
190, 131) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor