

Converting Colors

$Yxy(43.6286, 0.3097, 0.4267)$

Have a look what the booklet for
Yxy(43.6286, 0.3097, 0.4267)
contains.

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Color

Yxy(43.4610, 0.3096, 0.4270)

Conversions

Conversions Part 1

Format	Color
Hex	81BF7F
RGB	129, 191, 127
RGB Percent	51%, 75%, 50%
CMY	0.4942, 0.2509, 0.5019
CMYK	0.32, 0.00, 0.34, 0.25
HSL	118°, 33%, 62%
HSV	118°, 34%, 75%
XYZ	31.5118, 43.4610, 26.8094
YIQ	165.1660, -16.4080, -33.0480

Conversions

Conversions Part 2

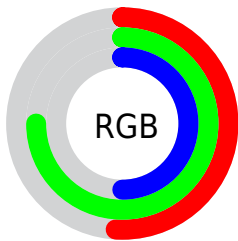
Format	Color
RYB	127, 191, 189
Decimal	8503167
CIELab	71.87, -32.68, 26.14
CIElCh	72, 41.847, 141.343
Yxy	43.4610, 0.3096, 0.4270
Android (android.graphics.Color)	4286693247 (0xFF81BF7F)
YUV	165.1660, -18.8158, -31.7176
Hunter-Lab	65.9250, -30.0467, 22.0362

Details

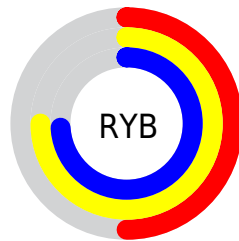
The Yxy color **43.4610, 0.3096, 0.4270** is a dark color, and the websafe version is hex **99CC99**. A complement of this color would be **29.7684, 0.3145, 0.2464**, and the grayscale version is **37.8067, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.6204, 0.3115, 0.4078**, and **20.0049, 0.3066, 0.4596** is the 20% darker color. If you saturate the color by 10%, you get **41.6905, 0.3083, 0.4619**, and if you desaturate by 10%, it is **45.5923, 0.3107, 0.3941**.

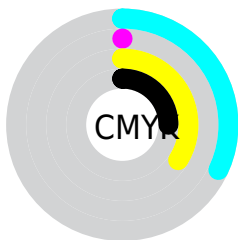
Distribution



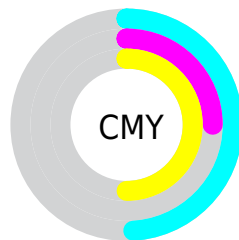
- Red (51%)
- Green (75%)
- Blue (50%)



- Red (50%)
- Yellow (75%)
- Blue (74%)



- Cyan (32%)
- Magenta (0%)
- Yellow (34%)
- Black (25%)





- Cyan (49%)
- Magenta (25%)
- Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 43.4610, 0.3096, 0.4270 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 43.4610, 0.3096, 0.4270 by changing the saturation by 10% instead.


 43.4610, 0.3096,
0.4270


 43.4610, 0.3096,
0.4270


360.5042, 0.3127,
0.3749


 30.2470, 0.3083,
0.4410


 80.4061, 0.3111,
0.4073

 20.0261, 0.3061,
0.4595


 104.9059, 0.3116,
0.4002

 12.4140, 0.3026,
0.4851


 133.9365, 0.3119,
0.3942

 7.0263, 0.2960,
0.5225

167.8822, 0.3121,
0.3891

 3.4786, 0.2829,
0.5819

207.1274, 0.3123,
0.3848

 1.3864, 0.2454,
0.7546

252.0566, 0.3125,

 0.2067, 0.0000,

0.3811

1.0000

303.0540, 0.3126,
0.3778

■ 0.0000, 0.0000,
0.0000

■ 43.4610, 0.3096,
0.4270

■ 43.4610, 0.3096,
0.4270

■ 41.6905, 0.3083,
0.4619

■ 45.5923, 0.3107,
0.3941

■ 40.2557, 0.3068,
0.4972

■ 48.0970, 0.3117,
0.3642

■ 39.1370, 0.3052,
0.5306


■ 50.9937, 0.3125,
0.3375


■ 38.3106, 0.3036,
0.5594


■ 54.2983, 0.3131,
0.3143

■ 37.7492, 0.3022,
0.5811

■ 58.0256, 0.3136,
0.2941

 37.4204, 0.3010,
0.5944

 62.1900, 0.3140,
0.2767

 37.3032, 0.3006,
0.5995

 65.7455, 0.3157,
0.2663

Harmonies

Analogous

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



43.4610, 0.3675, 0.4374



43.4610, 0.3096, 0.4270



43.4610, 0.2554, 0.3802

Triad

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



43.4610, 0.3096, 0.4270



43.4610, 0.2178, 0.2409



43.4610, 0.4157, 0.3260

Complementary

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



43.4610, 0.3096, 0.4270



29.7684, 0.3145, 0.2464

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.



43.4610, 0.3677, 0.2835



43.4610, 0.3096, 0.4270



43.4610, 0.2527, 0.2362

Square

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



43.4610, 0.3096, 0.4270



43.4610, 0.2060, 0.2686



43.4610, 0.3066, 0.2517



43.4610, 0.4322, 0.3722

Rectangle

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



43.4610, 0.3096, 0.4270



43.4610, 0.2284, 0.3390



43.4610, 0.3066, 0.2517



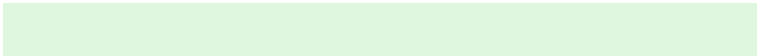
43.4610, 0.4025, 0.3111

Sweetspot

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



43.4628, 0.3096, 0.4270



87.7900, 0.3120, 0.3549



48.9518, 0.3634, 0.4090



19.1211, 0.3119, 0.3588



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.



43.4628, 0.3096, 0.4270



75.5084, 0.3087, 0.4518



44.2084, 0.2878, 0.3802



10.6632, 0.3120, 0.3527



24.5191, 0.3008, 0.5994



0.9653, 0.3039, 0.5969

Inverse Universe

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



29.7684, 0.3145, 0.2464



47.3361, 0.3148, 0.2295



28.8371, 0.3488, 0.2832



9.6810, 0.3133, 0.3064



9.2695, 0.3134, 0.1500



0.3678, 0.3153, 0.1511

Previews

White Background



This preview shows how the Yxy color 43.4610, 0.3096, 0.4270 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 43.4610, 0.3096, 0.4270 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

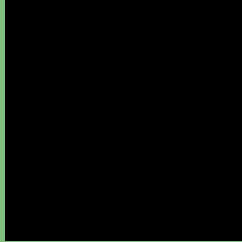
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 43.4610, 0.3096, 0.4270

Background



This preview shows how black text looks on a background with the Yxy color 43.4610, 0.3096, 0.4270.

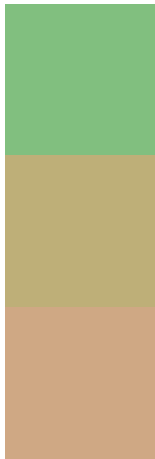


This preview shows how white text looks on a background with the Yxy color 43.4610, 0.3096, 0.4270.

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

43.4610, 0.3096, 0.4270

Protanopia

42.9632, 0.3739, 0.4020

Deuteranopia

42.9366, 0.3829, 0.3745



Tritanopia

43.2379, 0.2704, 0.3080

Trichromacy



Original Color

43.4610, 0.3096, 0.4270

Protanomaly

42.8026, 0.3481, 0.4110

Deuteranomaly

42.2461, 0.3543, 0.3924

Tritanomaly

42.9948, 0.2841, 0.3479

Monochromacy



Original Color

43.4610, 0.3096, 0.4270

Achromatopsia

37.6262, 0.3127, 0.3290

Achromatomaly

39.1819, 0.3120, 0.3631

CSS Examples

Text

The CSS property to change the color of the text to Yxy 43.4610, 0.3096, 0.4270 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(129, 191, 127)` looks like.

```
.text, #text, p{  
    color:rgb(129, 191, 127)  
}
```

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(129, 191, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 191, 127) }
```

Border

The CSS property to change the border of an element to Yxy 43.4610, 0.3096, 0.4270 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(129, 191, 127) }
```

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

```
.border{ border-color:rgb(129, 191, 127) }
```

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

Here you see how a box with a 4 pixel rgb(129, 191, 127) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 191, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 191, 127);  
box-shadow:4px 4px 4px 4px rgb(129, 191,  
127) }
```


Background

The CSS property to change the background color of an element to Yxy 43.4610, 0.3096, 0.4270 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 191, 127) }
```

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

```
.background{ background-color: rgb(129,  
191, 127) }
```

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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