

Converting Colors

$Yxy(46.0564, 0.3003, 0.4152)$

Have a look what the booklet for
Yxy(46.0564, 0.3003, 0.4152)
contains.

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Color

Yxy(45.9331, 0.3006, 0.4147)

Conversions

Conversions Part 1

Format	Color
Hex	80C48B
RGB	128, 196, 139
RGB Percent	50%, 77%, 55%
CMY	0.4983, 0.2313, 0.4549
CMYK	0.35, 0.00, 0.29, 0.23
HSL	130°, 37%, 64%
HSV	130°, 35%, 77%
XYZ	33.2951, 45.9331, 31.5340
YIQ	169.1700, -22.2310, -32.1430

Conversions

Conversions Part 2

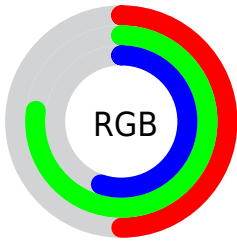
Format	Color
RYB	128, 187, 196
Decimal	8438923
CIELab	73.50, -33.32, 21.99
CIELCh	74, 39.922, 146.575
Yxy	45.9331, 0.3006, 0.4147
Android (android.graphics.Color)	4286629003 (0xFF80C48B)
YUV	169.1700, -14.8738, -36.1061
Hunter-Lab	67.7740, -30.9132, 19.8552

Details

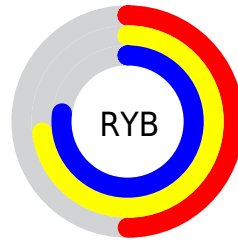
The Yxy color **45.9331, 0.3006, 0.4147** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **30.6622, 0.3280, 0.2563**, and the grayscale version is **39.8425, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.1681, 0.3036, 0.3975**, and **21.5631, 0.2946, 0.4419** is the 20% darker color. If you saturate the color by 10%, you get **44.1154, 0.2976, 0.4447**, and if you desaturate by 10%, it is **48.1203, 0.3040, 0.3867**.

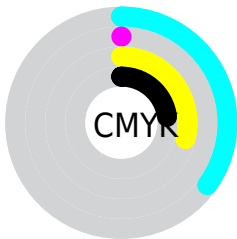
Distribution



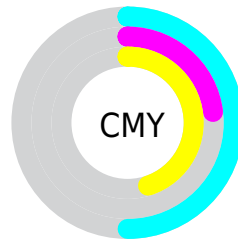
- Red (50%)
- Green (77%)
- Blue (55%)



- Red (50%)
- Yellow (73%)
- Blue (77%)



- Cyan (35%)
- Magenta (0%)
- Yellow (29%)
- Black (23%)





- Cyan (50%)
- Magenta (23%)
- Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.9331, 0.3006, 0.4147 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 45.9331, 0.3006, 0.4147 by changing the saturation by 10% instead.


 45.9331, 0.3006,
0.4147


 45.9331, 0.3006,
0.4147


370.5396, 0.3078,
0.3696


 32.1930, 0.2984,
0.4267


 84.1189, 0.3035,
0.3978

 21.5090, 0.2953,
0.4425


 109.3334, 0.3045,
0.3916

 13.4966, 0.2906,
0.4642


 139.1414, 0.3053,
0.3864

 7.7714, 0.2832,
0.4959

173.9275, 0.3060,
0.3820

 3.9490, 0.2699,
0.5457

214.0760, 0.3066,
0.3782

 1.6451, 0.2593,
0.7023

259.9712, 0.3071,

 0.3877, 0.0000,

0.3750

1.0000

311.9976, 0.3075,
0.3721

0.0000, 0.0000,
0.0000

45.9331, 0.3006,
0.4147

45.9331, 0.3006,
0.4147

44.1154, 0.2976,
0.4447

48.1203, 0.3040,
0.3867

42.6412, 0.2952,
0.4759

50.6898, 0.3075,
0.3613

41.4904, 0.2936,
0.5067


53.6610, 0.3111,
0.3387

40.6381, 0.2931,
0.5353

57.0500, 0.3145,
0.3189

40.0558, 0.2937,
0.5598

60.8722, 0.3178,
0.3016

 39.7096, 0.2953,
0.5787

 65.1424, 0.3209,
0.2865

 39.5897, 0.2962,
0.5862

 67.8976, 0.3162,
0.2722

 67.9664, 0.3154,
0.2713

Harmonies

Analogous

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



45.9331, 0.3555, 0.4312



45.9331, 0.3006, 0.4147



45.9331, 0.2515, 0.3670

Triad

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



45.9331, 0.3006, 0.4147



45.9331, 0.2274, 0.2438



45.9331, 0.4142, 0.3342

Complementary

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



45.9331, 0.3006, 0.4147



30.6622, 0.3280, 0.2563

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.



45.9331, 0.3736, 0.2927



45.9331, 0.3006, 0.4147



45.9331, 0.2641, 0.2426

Square

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



45.9331, 0.3006, 0.4147



45.9331, 0.2123, 0.2664



45.9331, 0.3171, 0.2603



45.9331, 0.4240, 0.3777

Rectangle

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



45.9331, 0.3006, 0.4147



45.9331, 0.2283, 0.3286



45.9331, 0.3171, 0.2603



45.9331, 0.4036, 0.3198

Sweetspot

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



45.9350, 0.3006, 0.4147



94.1802, 0.3091, 0.3507



51.4579, 0.3555, 0.4173



19.9966, 0.3086, 0.3539



0.0000, 0.0000, 0.0000



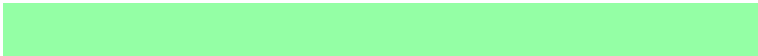
21.4041, 0.3127, 0.3290

Same Dimension

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



45.9350, 0.3006, 0.4147



80.5337, 0.2982, 0.4384



47.0570, 0.2789, 0.3635



11.2849, 0.3094, 0.3489



25.4425, 0.2957, 0.5845



1.1079, 0.2854, 0.5475

Inverse Universe

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



30.6622, 0.3280, 0.2563



48.5588, 0.3323, 0.2402



29.4204, 0.3652, 0.2974



10.2185, 0.3162, 0.3099



9.2779, 0.3662, 0.1791



0.4085, 0.3545, 0.1727

Previews

White Background



This preview shows how the Yxy color 45.9331, 0.3006, 0.4147 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 45.9331, 0.3006, 0.4147 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 45.9331, 0.3006, 0.4147

Background



This preview shows how black text looks on a background with the Yxy color 45.9331, 0.3006, 0.4147.

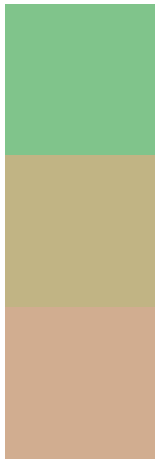


This preview shows how white text looks on a background with the Yxy color 45.9331, 0.3006, 0.4147.

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

45.9331, 0.3006, 0.4147

Protanopia

45.6459, 0.3645, 0.3917

Deuteranopia

45.4561, 0.3718, 0.3653



Tritanopia

45.9410, 0.2668, 0.3084

Trichromacy



Original Color

45.9331, 0.3006, 0.4147



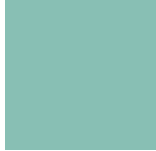
Protanomaly

45.3021, 0.3382, 0.4000



Deuteranomaly

44.7040, 0.3437, 0.3820



Tritanomaly

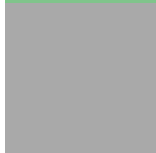
45.7911, 0.2786, 0.3446

Monochromacy



Original Color

45.9331, 0.3006, 0.4147



Achromatopsia

39.6755, 0.3127, 0.3290



Achromatomaly

41.5788, 0.3079, 0.3594

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.9331, 0.3006, 0.4147 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, 196, 139)` looks like.

```
.text, #text, p{  
    color:rgb(128, 196, 139)  
}
```

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, 196, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 196, 139) }
```

Border

The CSS property to change the border of an element to Yxy 45.9331, 0.3006, 0.4147 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, 196, 139) }
```

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

```
.border{ border-color:rgb(128, 196, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 196, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 196, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 196, 139);  
box-shadow:4px 4px 4px 4px rgb(128, 196,  
139) }
```


Background

The CSS property to change the background color of an element to Yxy 45.9331, 0.3006, 0.4147 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 196, 139) }
```

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

```
.background{ background-color: rgb(128,  
196, 139) }
```

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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