

Converting Colors

$Yxy(46.8885, 0.3005, 0.4155)$

Have a look what the booklet for
Yxy(46.8885, 0.3005, 0.4155)
contains.

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Color

Yxy(46.9487, 0.3007, 0.4154)

Conversions

Conversions Part 1

Format	Color
Hex	81C68C
RGB	129, 198, 140
RGB Percent	51%, 78%, 55%
CMY	0.4940, 0.2235, 0.4509
CMYK	0.35, 0.00, 0.29, 0.22
HSL	130°, 38%, 64%
HSV	130°, 35%, 78%
XYZ	33.9853, 46.9487, 32.0865
YIQ	170.7570, -22.5060, -32.6660

Conversions

Conversions Part 2

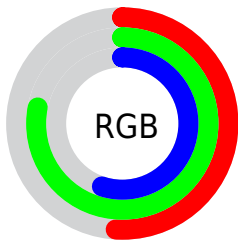
Format	Color
RYB	129, 189, 198
Decimal	8504972
CIELab	74.16, -33.72, 22.35
CIELCh	74, 40.457, 146.464
Yxy	46.9487, 0.3007, 0.4154
Android (android.graphics.Color)	4286695052 (0xFF81C68C)
YUV	170.7570, -15.1632, -36.6209
Hunter-Lab	68.5191, -31.3731, 20.1987

Details

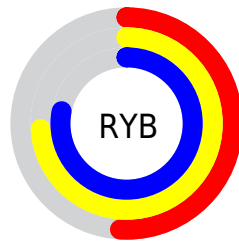
The Yxy color **46.9487, 0.3007, 0.4154** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **31.3032, 0.3278, 0.2558**, and the grayscale version is **40.6871, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.6054, 0.3036, 0.3982**, and **22.2043, 0.2956, 0.4448** is the 20% darker color. If you saturate the color by 10%, you get **45.0924, 0.2977, 0.4456**, and if you desaturate by 10%, it is **49.1837, 0.3040, 0.3873**.

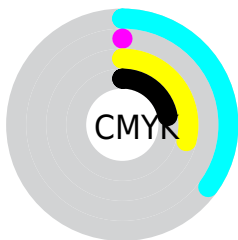
Distribution



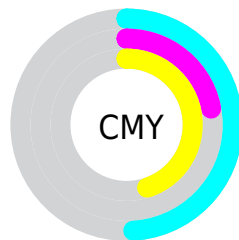
- Red (51%)
- Green (78%)
- Blue (55%)



- Red (51%)
- Yellow (74%)
- Blue (78%)



- Cyan (35%)
- Magenta (0%)
- Yellow (29%)
- Black (22%)




- Cyan (49%)
- Magenta (22%)
- Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.9487, 0.3007, 0.4154 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 46.9487, 0.3007, 0.4154 by changing the saturation by 10% instead.


 46.9487, 0.3007,
0.4154


 46.9487, 0.3007,
0.4154


374.6097, 0.3079,
0.3701

 32.9951, 0.2985,
0.4274


 85.6370, 0.3036,
0.3984

 22.1227, 0.2954,
0.4432


 111.1406, 0.3046,
0.3922

 13.9471, 0.2909,
0.4648


 141.2629, 0.3054,
0.3870

 8.0839, 0.2835,
0.4962

176.3883, 0.3061,
0.3826

 4.1487, 0.2705,
0.5452

216.9014, 0.3066,
0.3788

 1.7571, 0.2596,
0.6844

263.1863, 0.3071,

 0.4602, 0.0000,

0.3755

1.0000

315.6277, 0.3075,
0.3726

0.0000, 0.0000,
0.0000

46.9487, 0.3007,
0.4154

46.9487, 0.3007,
0.4154

45.0924, 0.2977,
0.4456

49.1837, 0.3040,
0.3873

43.5881, 0.2953,
0.4769

51.8106, 0.3075,
0.3617

42.4150, 0.2938,
0.5077

54.8492, 0.3111,
0.3390


41.5477, 0.2933,
0.5363


58.3162, 0.3145,
0.3190

40.9568, 0.2939,
0.5608

62.2274, 0.3177,
0.3016

 40.6072, 0.2955,
0.5794

 66.5979, 0.3208,
0.2865

 40.4888, 0.2963,
0.5867

 68.8671, 0.3153,
0.2732

Harmonies

Analogous

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



46.9487, 0.3560, 0.4319



46.9487, 0.3007, 0.4154



46.9487, 0.2513, 0.3675

Triad

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



46.9487, 0.3007, 0.4154



46.9487, 0.2269, 0.2434



46.9487, 0.4148, 0.3340

Complementary

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



46.9487, 0.3007, 0.4154



31.3032, 0.3278, 0.2558

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.



46.9487, 0.3738, 0.2923



46.9487, 0.3007, 0.4154



46.9487, 0.2637, 0.2421

Square

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



46.9487, 0.3007, 0.4154



46.9487, 0.2117, 0.2661



46.9487, 0.3169, 0.2598



46.9487, 0.4247, 0.3778

Rectangle

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



46.9487, 0.3007, 0.4154



46.9487, 0.2280, 0.3288



46.9487, 0.3169, 0.2598



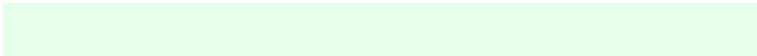
46.9487, 0.4040, 0.3195

Sweetspot

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



46.9507, 0.3007, 0.4154



94.1757, 0.3092, 0.3507



52.6203, 0.3556, 0.4176



19.9955, 0.3087, 0.3540



0.0000, 0.0000, 0.0000



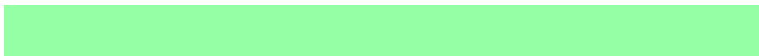
21.4041, 0.3127, 0.3290

Same Dimension

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



46.9507, 0.3007, 0.4154



80.5215, 0.2983, 0.4388



48.1073, 0.2787, 0.3636



11.9150, 0.3095, 0.3490



26.3400, 0.2959, 0.5851



1.2561, 0.2863, 0.5508

Inverse Universe

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



31.3032, 0.3278, 0.2558



48.5783, 0.3320, 0.2399



30.0202, 0.3655, 0.2973



10.7865, 0.3161, 0.3098



9.6199, 0.3653, 0.1786



0.4635, 0.3546, 0.1727

Previews

White Background



This preview shows how the Yxy color 46.9487, 0.3007, 0.4154 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 46.9487, 0.3007, 0.4154 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

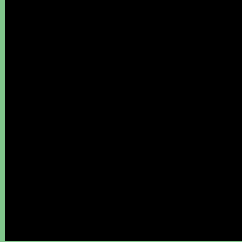
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.9487, 0.3007, 0.4154

Background



This preview shows how black text looks on a background with the Yxy color 46.9487, 0.3007, 0.4154.



This preview shows how white text looks on a background with the Yxy color 46.9487, 0.3007, 0.4154.

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

46.9487, 0.3007, 0.4154

Protanopia

46.3433, 0.3652, 0.3912

Deuteranopia

46.1653, 0.3724, 0.3650



Tritanopia

46.9855, 0.2666, 0.3086

Trichromacy



Original Color

46.9487, 0.3007, 0.4154

Protanomaly

45.9761, 0.3389, 0.3995

Deuteranomaly

45.6739, 0.3433, 0.3830

Tritanomaly

46.7945, 0.2789, 0.3459

Monochromacy



Original Color

46.9487, 0.3007, 0.4154

Achromatopsia

40.7240, 0.3127, 0.3290

Achromatomaly

42.6537, 0.3079, 0.3591

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.9487, 0.3007, 0.4154 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, 198, 140)` looks like.

```
.text, #text, p{  
    color:rgb(129, 198, 140)  
}
```

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, 198, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 198, 140) }
```

Border

The CSS property to change the border of an element to Yxy 46.9487, 0.3007, 0.4154 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, 198, 140) }
```

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

```
.border{ border-color:rgb(129, 198, 140) }
```

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

Here you see how a box with a 4 pixel rgb(129, 198, 140) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 198, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 198, 140);  
box-shadow:4px 4px 4px 4px rgb(129, 198,  
140) }
```


Background

The CSS property to change the background color of an element to Yxy 46.9487, 0.3007, 0.4154 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 198, 140) }
```

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

```
.background{ background-color: rgb(129,  
198, 140) }
```

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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