

Converting Colors

$Yxy(47.8440, 0.3141, 0.3834)$

Have a look what the booklet for
Yxy(47.8440, 0.3141, 0.3834)
contains.

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Color

Yxy(47.8440, 0.3141, 0.3834)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | 9FC19A |
| RGB | 159, 193, 154 |
| RGB Percent | 62%, 76%, 60% |
| CMY | 0.3766, 0.2431, 0.3960 |
| CMYK | 0.18, 0.00, 0.20, 0.24 |
| HSL | 112°, 24%, 68% |
| HSV | 112°, 20%, 76% |
| XYZ | 39.1961, 47.8440, 37.7486 |
| YIQ | 178.3880, -7.7450, -19.3370 |

Conversions

Conversions Part 2

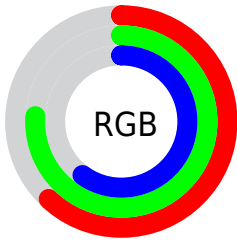
| Format | Color |
|-------------------------------------|--|
| RYB | 154, 193, 188 |
| Decimal | 10469786 |
| CIELab | 74.73, -18.89, 15.92 |
| CIELCh | 75, 24.711, 139.876 |
| Yxy | 47.8440, 0.3141, 0.3834 |
| Android (android.graphics.Color) | 4288659866 (0xFF9FC19A) |
| YUV | 178.3880, -12.0233, -17.0033 |
| Hunter-Lab | 69.1694, -19.8959, 16.0615 |

Details

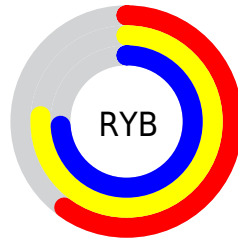
The Yxy color **47.8440, 0.3141, 0.3834** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **37.6688, 0.3104, 0.2788**, and the grayscale version is **44.8032, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.2214, 0.3144, 0.3741**, and **22.5703, 0.3137, 0.3990** is the 20% darker color. If you saturate the color by 10%, you get **45.6469, 0.3144, 0.4148**, and if you desaturate by 10%, it is **50.3836, 0.3135, 0.3549**.

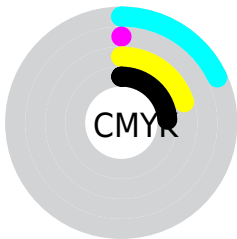
Distribution



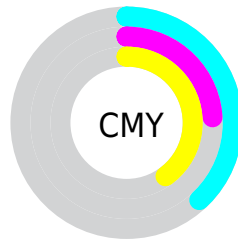
- Red (62%)
- Green (76%)
- Blue (60%)



- Red (60%)
- Yellow (76%)
- Blue (74%)



- Cyan (18%)
- Magenta (0%)
- Yellow (20%)
- Black (24%)





- Cyan (38%)
- Magenta (24%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.8440, 0.3141, 0.3834 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 47.8440, 0.3141, 0.3834 by changing the saturation by 10% instead.


 47.8440, 0.3141,
0.3834

 47.8440, 0.3141,
0.3834


378.1734, 0.3139,
0.3555

 33.7034, 0.3140,
0.3906


 86.9721, 0.3141,
0.3731

 22.6658, 0.3138,
0.4000


 112.7283, 0.3141,
0.3692

 14.3469, 0.3133,
0.4127


143.1252, 0.3141,
0.3660

 8.3624, 0.3123,
0.4309

178.5472, 0.3140,
0.3633

 4.3277, 0.3100,
0.4590

219.3786, 0.3140,
0.3609

 1.8585, 0.3064,
0.5115

266.0038, 0.3139,

 0.5232, 0.0645,


0.3589


0.9355


318.8073, 0.3139,
0.3571

 0.0000, 0.0000,
0.0000


 47.8440, 0.3141,
0.3834


 47.8440, 0.3141,
0.3834


 45.6469, 0.3144,
0.4148


 50.3836, 0.3135,
0.3549


 43.7717, 0.3143,
0.4483


 53.2731, 0.3127,
0.3295


 42.2050, 0.3137,
0.4828

 56.5272, 0.3118,
0.3071

 40.9303, 0.3125,
0.5162

 60.1580, 0.3109,
0.2877

 39.9291, 0.3106,
0.5464

 64.1773, 0.3099,
0.2708

■ 39.1811, 0.3083,
0.5708

■ 66.6253, 0.3156,
0.2683

■ 38.6630, 0.3056,
0.5878

■ 38.3452, 0.3032,
0.5975

Harmonies

Analogous

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



47.8440, 0.3475, 0.3902



47.8440, 0.3141, 0.3834



47.8440, 0.2815, 0.3591

Triad

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



47.8440, 0.3141, 0.3834



47.8440, 0.2554, 0.2779



47.8440, 0.3702, 0.3276

Complementary

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



47.8440, 0.3141, 0.3834



37.6688, 0.3104, 0.2788

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.



47.8440, 0.3430, 0.3011



47.8440, 0.3141, 0.3834



47.8440, 0.2766, 0.2730

Square

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



47.8440, 0.3141, 0.3834



47.8440, 0.2488, 0.2966



47.8440, 0.3083, 0.2816



47.8440, 0.3811, 0.3557

Rectangle

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



47.8440, 0.3141, 0.3834



47.8440, 0.2645, 0.3374



47.8440, 0.3083, 0.2816



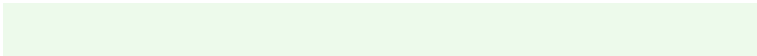
47.8440, 0.3626, 0.3183

Sweetspot

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



47.8460, 0.3141, 0.3834



92.2730, 0.3132, 0.3441



49.5595, 0.3440, 0.3724



19.7238, 0.3133, 0.3458



97.7402, 0.3127, 0.3290



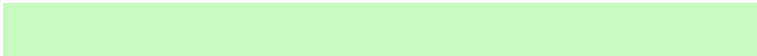
20.4902, 0.3127, 0.3290

Same Dimension

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



47.8460, 0.3141, 0.3834



83.9648, 0.3143, 0.3962



47.8562, 0.2999, 0.3633



11.3186, 0.3135, 0.3527



25.5201, 0.3037, 0.5971



1.1232, 0.3146, 0.5884

Inverse Universe

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



37.6688, 0.3104, 0.2788



62.6200, 0.3097, 0.2681



37.6998, 0.3282, 0.2970



10.1807, 0.3118, 0.3062



8.1615, 0.2895, 0.1368



0.3711, 0.2969, 0.1409

Previews

White Background



This preview shows how the Yxy color 47.8440, 0.3141, 0.3834 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 47.8440, 0.3141, 0.3834 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

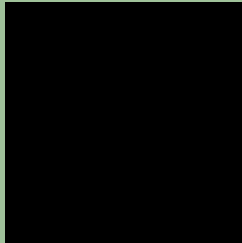
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 47.8440, 0.3141, 0.3834

Background



This preview shows how black text looks on a background with the Yxy color 47.8440, 0.3141, 0.3834.



This preview shows how white text looks on a background with the Yxy color 47.8440, 0.3141, 0.3834.

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

47.8440, 0.3141, 0.3834

Protanopia

47.5062, 0.3502, 0.3730

Deuteranopia

47.5802, 0.3598, 0.3538



Tritanopia

47.9732, 0.2866, 0.3107

Trichromacy



Original Color

47.8440, 0.3141, 0.3834

Protanomaly

47.5988, 0.3360, 0.3770

Deuteranomaly

47.3436, 0.3417, 0.3641

Tritanomaly

47.7484, 0.2964, 0.3357

Monochromacy



Original Color

47.8440, 0.3141, 0.3834

Achromatopsia

44.5201, 0.3127, 0.3290

Achromatomaly

45.3895, 0.3135, 0.3480

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.8440, 0.3141, 0.3834 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, 193, 154)` looks like.

```
.text, #text, p{  
    color:rgb(159, 193, 154)  
}
```

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, 193, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 193, 154) }
```

Border

The CSS property to change the border of an element to Yxy 47.8440, 0.3141, 0.3834 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, 193, 154) }
```

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

```
.border{ border-color:rgb(159, 193, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 193, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(159, 193, 154); -webkit-box-shadow:4px 4px 4px 4px rgb(159, 193, 154); box-shadow:4px 4px 4px 4px rgb(159, 193, 154) }
```


Background

The CSS property to change the background color of an element to Yxy 47.8440, 0.3141, 0.3834 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 193, 154) }
```

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

```
.background{ background-color: rgb(159,  
193, 154) }
```

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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