

Converting Colors

$Yxy(47.8830, 0.3131, 0.4033)$

Have a look what the booklet for
Yxy(47.8830, 0.3131, 0.4033)
contains.

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Color

Yxy(47.8830, 0.3131, 0.4033)

Conversions

Conversions Part 1

Format	Color
Hex	95C490
RGB	149, 196, 144
RGB Percent	58%, 77%, 56%
CMY	0.4155, 0.2314, 0.4353
CMYK	0.24, 0.00, 0.27, 0.23
HSL	114°, 31%, 67%
HSV	114°, 27%, 77%
XYZ	37.1737, 47.8830, 33.6713
YIQ	176.0190, -11.3200, -26.1360

Conversions

Conversions Part 2

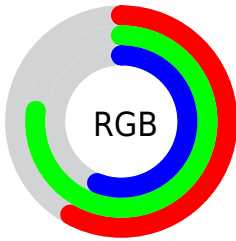
Format	Color
RYB	144, 196, 191
Decimal	9815184
CIELab	74.75, -25.52, 21.22
CIELCh	75, 33.186, 140.252
Yxy	47.8830, 0.3131, 0.4033
Android (android.graphics.Color)	4288005264 (0xFF95C490)
YUV	176.0190, -15.7854, -23.6957
Hunter-Lab	69.1975, -25.2034, 19.5880

Details

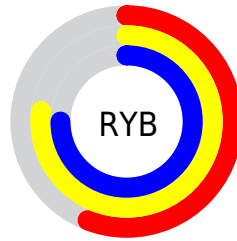
The Yxy color **47.8830, 0.3131, 0.4033** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **35.0065, 0.3109, 0.2628**, and the grayscale version is **43.5195, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.1651, 0.3136, 0.3892**, and **22.6777, 0.3121, 0.4269** is the 20% darker color. If you saturate the color by 10%, you get **45.7957, 0.3127, 0.4365**, and if you desaturate by 10%, it is **50.3316, 0.3131, 0.3727**.

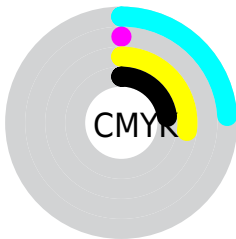
Distribution



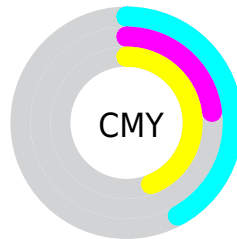
- Red (58%)
- Green (77%)
- Blue (56%)



- Red (56%)
- Yellow (77%)
- Blue (75%)



- Cyan (24%)
- Magenta (0%)
- Yellow (27%)
- Black (23%)





- Cyan (42%)
- Magenta (23%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 47.8830, 0.3131, 0.4033 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 47.8830, 0.3131, 0.4033 by changing the saturation by 10% instead.


 47.8830, 0.3131,
0.4033

 47.8830, 0.3131,
0.4033


378.3282, 0.3138,
0.3648

 33.7342, 0.3126,
0.4133


 87.0302, 0.3136,
0.3890

 22.6895, 0.3119,
0.4264


 112.7974, 0.3137,
0.3837

 14.3644, 0.3105,
0.4443


143.2062, 0.3137,
0.3793

 8.3746, 0.3078,
0.4698

178.6410, 0.3138,
0.3755

 4.3355, 0.3022,
0.5092

219.4862, 0.3138,
0.3723

 1.8630, 0.3017,
0.6029

266.1262, 0.3138,

 0.5260, 0.0000,

0.3695

1.0000

318.9454, 0.3138,
0.3670

0.0000, 0.0000,
0.0000

47.8830, 0.3131,
0.4033

47.8830, 0.3131,
0.4033

45.7957, 0.3127,
0.4365

50.3316, 0.3131,
0.3727

44.0467, 0.3120,
0.4711

53.1510, 0.3129,
0.3452

42.6201, 0.3108,
0.5055

56.3579, 0.3126,
0.3209

41.4960, 0.3092,
0.5374

59.9664, 0.3121,
0.2997

40.6523, 0.3071,
0.5643

63.9896, 0.3116,
0.2813

■ 40.0641, 0.3049,
0.5839

■ 67.9581, 0.3154,
0.2712

■ 39.7011, 0.3027,
0.5954

■ 39.6161, 0.3021,
0.5983

Harmonies

Analogous

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



47.8830, 0.3579, 0.4117



47.8830, 0.3131, 0.4033



47.8830, 0.2702, 0.3694

Triad

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



47.8830, 0.3131, 0.4033



47.8830, 0.2374, 0.2608



47.8830, 0.3906, 0.3266

Complementary

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



47.8830, 0.3131, 0.4033



35.0065, 0.3109, 0.2628

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.



47.8830, 0.3536, 0.2924



47.8830, 0.3131, 0.4033



47.8830, 0.2649, 0.2555

Square

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



47.8830, 0.3131, 0.4033



47.8830, 0.2286, 0.2843



47.8830, 0.3069, 0.2671



47.8830, 0.4047, 0.3634

Rectangle

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



47.8830, 0.3131, 0.4033



47.8830, 0.2482, 0.3391



47.8830, 0.3069, 0.2671



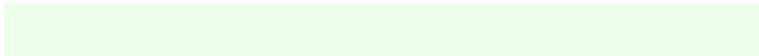
47.8830, 0.3803, 0.3146

Sweetspot

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



47.8850, 0.3131, 0.4033



95.4262, 0.3130, 0.3494



50.9224, 0.3539, 0.3885



20.2521, 0.3130, 0.3535



0.0000, 0.0000, 0.0000



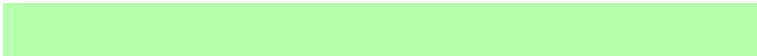
21.4041, 0.3127, 0.3290

Same Dimension

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



47.8850, 0.3131, 0.4033



84.4119, 0.3129, 0.4229



48.1176, 0.2949, 0.3732



11.3044, 0.3130, 0.3527



25.4737, 0.3026, 0.5980



1.1168, 0.3113, 0.5910

Inverse Universe

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



35.0065, 0.3109, 0.2628



57.0543, 0.3102, 0.2477



34.7873, 0.3360, 0.2886



10.1964, 0.3123, 0.3062



8.5905, 0.2969, 0.1409



0.3858, 0.3026, 0.1441

Previews

White Background



This preview shows how the Yxy color 47.8830, 0.3131, 0.4033 looks on a white background.

Color Contrast Check

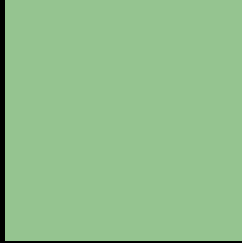
Large Text (above 18pt) WCAG AA × Fail

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 47.8830, 0.3131, 0.4033 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

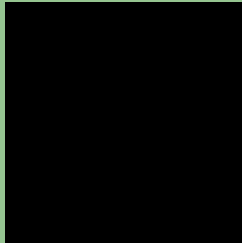
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 47.8830, 0.3131, 0.4033

Background



This preview shows how black text looks on a background with the Yxy color 47.8830, 0.3131, 0.4033.



This preview shows how white text looks on a background with the Yxy color 47.8830, 0.3131, 0.4033.

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

47.8830, 0.3131, 0.4033

Protanopia

47.4377, 0.3613, 0.3870

Deuteranopia

47.3349, 0.3709, 0.3634



Tritanopia

47.6492, 0.2794, 0.3091

Trichromacy



Original Color

47.8830, 0.3131, 0.4033

Protanomaly

47.4436, 0.3427, 0.3936

Deuteranomaly

46.9207, 0.3482, 0.3762

Tritanomaly

47.6076, 0.2910, 0.3413

Monochromacy



Original Color

47.8830, 0.3131, 0.4033

Achromatopsia

43.4154, 0.3127, 0.3290

Achromatomaly

44.6543, 0.3132, 0.3553

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.8830, 0.3131, 0.4033 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(149, 196, 144)` looks like.

```
.text, #text, p{  
    color:rgb(149, 196, 144)  
}
```

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(149, 196, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 196, 144) }
```

Border

The CSS property to change the border of an element to Yxy 47.8830, 0.3131, 0.4033 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(149, 196, 144) }
```

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

```
.border{ border-color:rgb(149, 196, 144) }
```

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

Here you see how a box with a 4 pixel `rgb(149, 196, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 196, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 196, 144);  
box-shadow:4px 4px 4px 4px rgb(149, 196,  
144) }
```


Background

The CSS property to change the background color of an element to Yxy 47.8830, 0.3131, 0.4033 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 196, 144) }
```

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

```
.background{ background-color: rgb(149,  
196, 144) }
```

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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