

Converting Colors

$Yxy(48.6793, 0.3017, 0.3906)$

Have a look what the booklet for
Yxy(48.6793, 0.3017, 0.3906)
contains.

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Color

Yxy(48.6840, 0.3016, 0.3903)

Conversions

Conversions Part 1

Format	Color
Hex	90C69B
RGB	144, 198, 155
RGB Percent	56%, 78%, 61%
CMY	0.4351, 0.2236, 0.3921
CMYK	0.27, 0.00, 0.22, 0.22
HSL	132°, 32%, 67%
HSV	132°, 27%, 78%
XYZ	37.6200, 48.6840, 38.4308
YIQ	176.9520, -18.3810, -24.8210

Conversions

Conversions Part 2

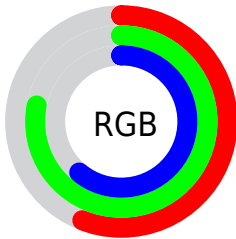
Format	Color
RYB	144, 189, 198
Decimal	9488027
CIELab	75.25, -26.23, 15.99
CIElCh	75, 30.719, 148.625
Yxy	48.6840, 0.3016, 0.3903
Android (android.graphics.Color)	4287678107 (0xFF90C69B)
YUV	176.9520, -10.8223, -28.8989
Hunter-Lab	69.7739, -25.8625, 16.1854

Details

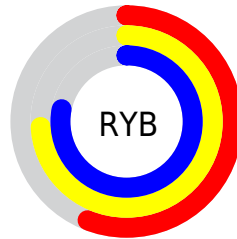
The Yxy color **48.6840, 0.3016, 0.3903** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **35.5572, 0.3263, 0.2746**, and the grayscale version is **44.0120, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.3153, 0.3038, 0.3782**, and **23.2213, 0.2973, 0.4089** is the 20% darker color. If you saturate the color by 10%, you get **46.5600, 0.2978, 0.4175**, and if you desaturate by 10%, it is **51.1941, 0.3056, 0.3656**.

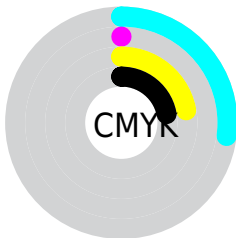
Distribution



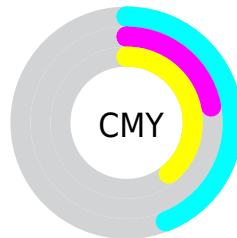
- Red (56%)
- Green (78%)
- Blue (61%)



- Red (56%)
- Yellow (74%)
- Blue (78%)



- Cyan (27%)
- Magenta (0%)
- Yellow (22%)
- Black (22%)





- Cyan (44%)
- Magenta (22%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.6840, 0.3016, 0.3903 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 48.6840, 0.3016, 0.3903 by changing the saturation by 10% instead.


 48.6840, 0.3016,
0.3903


 48.6840, 0.3016,
0.3903

381.4970, 0.3077,
0.3587

 34.3689, 0.2999,
0.3985


 88.2219, 0.3040,
0.3786

 23.1771, 0.2976,
0.4092


 114.2136, 0.3048,
0.3743

 14.7243, 0.2943,
0.4238


144.8661, 0.3055,
0.3706

 8.6262, 0.2893,
0.4447

180.5640, 0.3061,
0.3675

 4.4982, 0.2810,
0.4771

221.6917, 0.3066,
0.3649

 1.9559, 0.2662,
0.5362

268.6334, 0.3070,

 0.5817, 0.0000,

0.3625

1.0000

321.7737, 0.3074,
0.3605

0.0000, 0.0000,
0.0000

48.6840, 0.3016,
0.3903

48.6840, 0.3016,
0.3903

46.5600, 0.2978,
0.4175

51.1941, 0.3056,
0.3656

44.7969, 0.2946,
0.4465

54.1017, 0.3098,
0.3434

43.3761, 0.2921,
0.4764


57.4254, 0.3138,
0.3239

42.2749, 0.2907,
0.5060

61.1809, 0.3178,
0.3068

41.4676, 0.2906,
0.5335


65.3830, 0.3215,
0.2919

 40.9248, 0.2917,
0.5572

 68.5262, 0.3191,
0.2781

 40.6062, 0.2939,
0.5758

 68.8647, 0.3153,
0.2732

 40.5395, 0.2945,
0.5801

Harmonies

Analogous

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



48.6840, 0.3436, 0.4053



48.6840, 0.3016, 0.3903



48.6840, 0.2643, 0.3548

Triad

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



48.6840, 0.3016, 0.3903



48.6840, 0.2485, 0.2629



48.6840, 0.3904, 0.3366

Complementary

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



48.6840, 0.3016, 0.3903



35.5572, 0.3263, 0.2746

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.



48.6840, 0.3614, 0.3035



48.6840, 0.3016, 0.3903



48.6840, 0.2784, 0.2624

Square

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



48.6840, 0.3016, 0.3903



48.6840, 0.2352, 0.2802



48.6840, 0.3196, 0.2771



48.6840, 0.3966, 0.3702

Rectangle

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



48.6840, 0.3016, 0.3903



48.6840, 0.2466, 0.3268



48.6840, 0.3196, 0.2771



48.6840, 0.3829, 0.3252

Sweetspot

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



48.6860, 0.3016, 0.3903



95.3311, 0.3094, 0.3452



52.9907, 0.3442, 0.3985



20.2285, 0.3088, 0.3485



0.0000, 0.0000, 0.0000



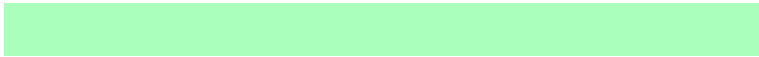
21.4041, 0.3127, 0.3290

Same Dimension

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



48.6860, 0.3016, 0.3903



83.7898, 0.2992, 0.4070



49.6885, 0.2837, 0.3513



11.9225, 0.3089, 0.3479



26.3762, 0.2939, 0.5782



1.2596, 0.2830, 0.5388

Inverse Universe

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



35.5572, 0.3263, 0.2746



56.4963, 0.3301, 0.2620



34.5143, 0.3536, 0.3079



10.7783, 0.3168, 0.3108



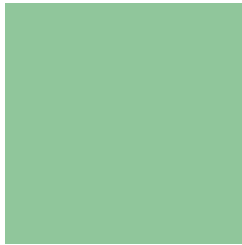
9.4203, 0.3795, 0.1864



0.4557, 0.3650, 0.1785

Previews

White Background



This preview shows how the Yxy color 48.6840, 0.3016, 0.3903 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 48.6840, 0.3016, 0.3903 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

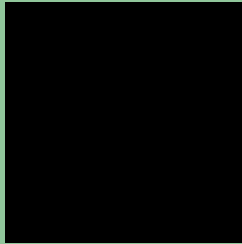
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 48.6840, 0.3016, 0.3903

Background



This preview shows how black text looks on a background with the Yxy color 48.6840, 0.3016, 0.3903.



This preview shows how white text looks on a background with the Yxy color 48.6840, 0.3016, 0.3903.

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

48.6840, 0.3016, 0.3903

Protanopia

48.1549, 0.3526, 0.3752

Deuteranopia

48.3410, 0.3595, 0.3523



Tritanopia

48.5879, 0.2742, 0.3091

Trichromacy



Original Color

48.6840, 0.3016, 0.3903

Protanomaly

47.9767, 0.3321, 0.3801

Deuteranomaly

47.7313, 0.3360, 0.3644

Tritanomaly

48.6555, 0.2841, 0.3385

Monochromacy



Original Color

48.6840, 0.3016, 0.3903

Achromatopsia

43.9657, 0.3127, 0.3290

Achromatomaly

45.5618, 0.3084, 0.3510

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.6840, 0.3016, 0.3903 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(144, 198, 155)` looks like.

```
.text, #text, p{  
    color:rgb(144, 198, 155)  
}
```

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(144, 198, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 198, 155) }
```

Border

The CSS property to change the border of an element to Yxy 48.6840, 0.3016, 0.3903 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(144, 198, 155) }
```

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

```
.border{ border-color:rgb(144, 198, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 198, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 198, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 198, 155);  
box-shadow:4px 4px 4px 4px rgb(144, 198,  
155) }
```


Background

The CSS property to change the background color of an element to Yxy 48.6840, 0.3016, 0.3903 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 198, 155) }
```

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

```
.background{ background-color: rgb(144,  
198, 155) }
```

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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