

Converting Colors

$Y_{xy}(48.2781, 0.3018, 0.3858)$

Have a look what the booklet for
Yxy(48.2781, 0.3018, 0.3858)
contains.

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Color

Yxy(48.4778, 0.3017, 0.3858)

Conversions

Conversions Part 1

Format	Color
Hex	92C59D
RGB	146, 197, 157
RGB Percent	57%, 77%, 62%
CMY	0.4274, 0.2275, 0.3842
CMYK	0.26, 0.00, 0.20, 0.23
HSL	133°, 31%, 67%
HSV	133°, 26%, 77%
XYZ	37.9102, 48.4778, 39.2673
YIQ	177.1910, -17.5560, -23.2520

Conversions

Conversions Part 2

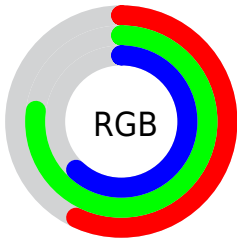
Format	Color
RYB	146, 188, 197
Decimal	9618845
CIELab	75.13, -24.73, 14.75
CIELCh	75, 28.796, 149.181
Yxy	48.4778, 0.3017, 0.3858
Android (android.graphics.Color)	4287808925 (0xFF92C59D)
YUV	177.1910, -9.9542, -27.3545
Hunter-Lab	69.6260, -24.6552, 15.3002

Details

The Yxy color **48.4778, 0.3017, 0.3858** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **35.9793, 0.3261, 0.2782**, and the grayscale version is **44.1360, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.0546, 0.3039, 0.3747**, and **23.0652, 0.2974, 0.4026** is the 20% darker color. If you saturate the color by 10%, you get **46.3321, 0.2977, 0.4122**, and if you desaturate by 10%, it is **51.0053, 0.3059, 0.3618**.

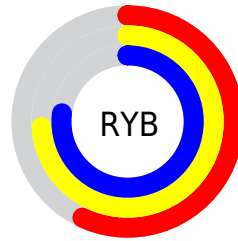
Distribution



Red (57%)

Green (77%)

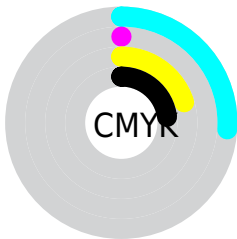
Blue (62%)



Red (57%)

Yellow (74%)

Blue (77%)

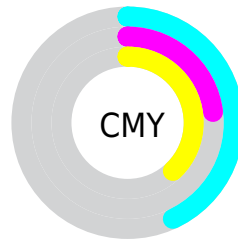


Cyan (26%)

Magenta (0%)

Yellow (20%)

Black (23%)



Cyan (43%)

Magenta (23%)

Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.4778, 0.3017, 0.3858 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 48.4778, 0.3017, 0.3858 by changing the saturation by 10% instead.


 48.4778, 0.3017,
0.3858

 48.4778, 0.3017,
0.3858


380.6829, 0.3077,
0.3565

 34.2054, 0.3000,
0.3934


 87.9154, 0.3040,
0.3750

 23.0515, 0.2978,
0.4033


 113.8494, 0.3048,
0.3710

 14.6315, 0.2947,
0.4167


144.4393, 0.3055,
0.3676

 8.5612, 0.2900,
0.4360

180.0697, 0.3061,
0.3647

 4.4561, 0.2821,
0.4659

221.1248, 0.3066,
0.3623

 1.9318, 0.2679,
0.5193

267.9892, 0.3070,

 0.5674, 0.0000,

0.3601

1.0000

321.0470, 0.3074,
0.3582

0.0000, 0.0000,
0.0000

48.4778, 0.3017,
0.3858

48.4778, 0.3017,
0.3858

46.3321, 0.2977,
0.4122

51.0053, 0.3059,
0.3618

44.5438, 0.2943,
0.4405

53.9258, 0.3102,
0.3404

43.0949, 0.2916,
0.4700


57.2574, 0.3144,
0.3215

41.9634, 0.2900,
0.4994


61.0152, 0.3185,
0.3050


41.1246, 0.2897,
0.5271


65.2137, 0.3224,
0.2906

 40.5502, 0.2907,
0.5515

 68.0758, 0.3191,
0.2771

 40.2050, 0.2929,
0.5712

 68.4118, 0.3154,
0.2722

 40.1027, 0.2938,
0.5778

Harmonies

Analogous

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



48.4778, 0.3412, 0.4004



48.4778, 0.3017, 0.3858



48.4778, 0.2666, 0.3525

Triad

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



48.4778, 0.3017, 0.3858



48.4778, 0.2526, 0.2666



48.4778, 0.3859, 0.3370

Complementary

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



48.4778, 0.3017, 0.3858



35.9793, 0.3261, 0.2782

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.



48.4778, 0.3591, 0.3056



48.4778, 0.3017, 0.3858



48.4778, 0.2812, 0.2663

Square

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



48.4778, 0.3017, 0.3858



48.4778, 0.2397, 0.2828



48.4778, 0.3200, 0.2804



48.4778, 0.3913, 0.3686

Rectangle

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



48.4778, 0.3017, 0.3858



48.4778, 0.2501, 0.3264



48.4778, 0.3200, 0.2804



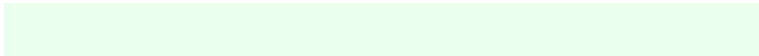
48.4778, 0.3790, 0.3262

Sweetspot

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



48.4798, 0.3017, 0.3858



95.3463, 0.3092, 0.3450



52.5477, 0.3426, 0.3948



20.2323, 0.3086, 0.3482



0.0000, 0.0000, 0.0000



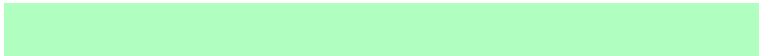
21.4041, 0.3127, 0.3290

Same Dimension

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



48.4798, 0.3017, 0.3858



84.5951, 0.2994, 0.4003



49.4099, 0.2850, 0.3500



11.9247, 0.3087, 0.3476



26.3882, 0.2933, 0.5759



1.2606, 0.2821, 0.5355

Inverse Universe

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



35.9793, 0.3261, 0.2782



58.4605, 0.3296, 0.2670



35.0186, 0.3510, 0.3090



10.7759, 0.3170, 0.3111



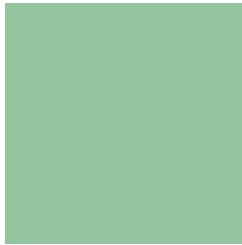
9.3655, 0.3837, 0.1887



0.4535, 0.3681, 0.1802

Previews

White Background



This preview shows how the Yxy color 48.4778, 0.3017, 0.3858 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 48.4778, 0.3017, 0.3858 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 48.4778, 0.3017, 0.3858

Background



This preview shows how black text looks on a background with the Yxy color 48.4778, 0.3017, 0.3858.

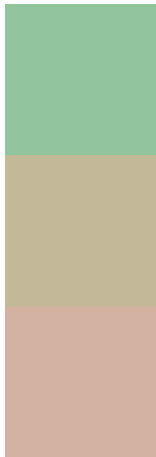


This preview shows how white text looks on a background with the Yxy color 48.4778, 0.3017, 0.3858.

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

48.4778, 0.3017, 0.3858

Protanopia

48.1174, 0.3492, 0.3715

Deuteranopia

48.2629, 0.3569, 0.3499



Tritanopia

48.2517, 0.2748, 0.3078

Trichromacy



Original Color

48.4778, 0.3017, 0.3858

Protanomaly

48.0422, 0.3305, 0.3774

Deuteranomaly

47.8008, 0.3344, 0.3617

Tritanomaly

48.4462, 0.2848, 0.3357

Monochromacy



Original Color

48.4778, 0.3017, 0.3858

Achromatopsia

43.9657, 0.3127, 0.3290

Achromatomaly

45.2903, 0.3085, 0.3482

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.4778, 0.3017, 0.3858 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(146, 197, 157)` looks like.

```
.text, #text, p{  
    color:rgb(146, 197, 157)  
}
```

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(146, 197, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 197, 157) }
```

Border

The CSS property to change the border of an element to Yxy 48.4778, 0.3017, 0.3858 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(146, 197, 157) }
```

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

```
.border{ border-color:rgb(146, 197, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 197, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 197, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 197, 157);  
box-shadow:4px 4px 4px 4px rgb(146, 197,  
157) }
```


Background

The CSS property to change the background color of an element to Yxy 48.4778, 0.3017, 0.3858 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 197, 157) }
```

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

```
.background{ background-color: rgb(146,  
197, 157) }
```

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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