

Converting Colors

$Yxy(50.3834, 0.3024, 0.3701)$

Have a look what the booklet for
Yxy(50.3834, 0.3024, 0.3701)
contains.

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Color

Yxy(50.3834, 0.3024, 0.3701)

Conversions

Conversions Part 1

Format	Color
Hex	9DC6A8
RGB	157, 198, 168
RGB Percent	62%, 78%, 66%
CMY	0.3842, 0.2235, 0.3413
CMYK	0.21, 0.00, 0.15, 0.22
HSL	136°, 26%, 70%
HSV	136°, 21%, 78%
XYZ	41.1671, 50.3834, 44.5841
YIQ	182.3210, -14.8060, -18.0220

Conversions

Conversions Part 2

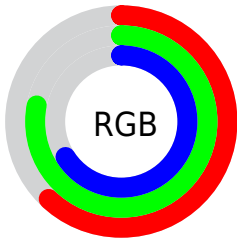
Format	Color
RYB	157, 189, 198
Decimal	10340008
CIELab	76.30, -19.56, 10.63
CIELCh	76, 22.260, 151.476
Yxy	50.3834, 0.3024, 0.3701
Android (android.graphics.Color)	4288530088 (0xFF9DC6A8)
YUV	182.3210, -7.0603, -22.2065
Hunter-Lab	70.9813, -20.6924, 12.4462

Details

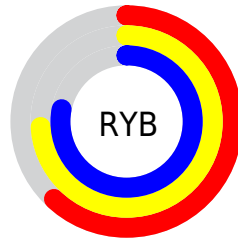
The Yxy color **50.3834, 0.3024, 0.3701** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **39.7180, 0.3249, 0.2911**, and the grayscale version is **47.0104, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.8448, 0.3044, 0.3628**, and **24.2107, 0.2991, 0.3821** is the 20% darker color. If you saturate the color by 10%, you get **48.0414, 0.2977, 0.3936**, and if you desaturate by 10%, it is **53.1128, 0.3074, 0.3490**.

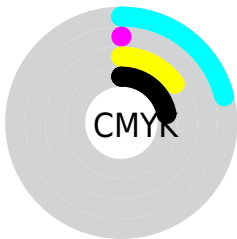
Distribution



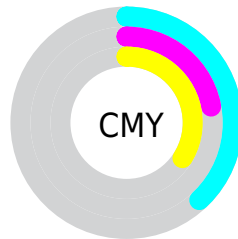
- Red (62%)
- Green (78%)
- Blue (66%)



- Red (62%)
- Yellow (74%)
- Blue (78%)



- Cyan (21%)
- Magenta (0%)
- Yellow (15%)
- Black (22%)




- Cyan (38%)
- Magenta (22%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.3834, 0.3024, 0.3701 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 50.3834, 0.3024, 0.3701 by changing the saturation by 10% instead.


 50.3834, 0.3024,
0.3701

 50.3834, 0.3024,
0.3701

388.1634, 0.3078,
0.3492

 35.7181, 0.3010,
0.3754


 90.7427, 0.3044,
0.3624

 24.2166, 0.2991,
0.3823

 117.2055, 0.3051,
0.3596

 15.4944, 0.2966,
0.3915


148.3696, 0.3058,
0.3572

 9.1671, 0.2929,
0.4046

184.6194, 0.3063,
0.3551

 4.8503, 0.2872,
0.4246

226.3393, 0.3067,
0.3534

 2.1597, 0.2768,
0.4586

273.9136, 0.3071,


 0.6979, 0.2064,

0.3518


0.7750


327.7269, 0.3075,
0.3505


 0.0000, 0.0000,
0.0000


 50.3834, 0.3024,
0.3701


 50.3834, 0.3024,
0.3701


 48.0414, 0.2977,
0.3936


 53.1128, 0.3074,
0.3490


 46.0628, 0.2934,
0.4191


 56.2396, 0.3124,
0.3302


 44.4311, 0.2899,
0.4463

 59.7812, 0.3173,
0.3137

 43.1254, 0.2874,
0.4743

 63.7523, 0.3220,
0.2993

 42.1230, 0.2862,
0.5018

 67.9719, 0.3258,
0.2867

■ 41.3980, 0.2866,
0.5277

■ 68.8692, 0.3153,
0.2732

■ 40.9198, 0.2885,
0.5504

■ 40.6452, 0.2911,
0.5678

Harmonies

Analogous

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



50.3834, 0.3327, 0.3826



50.3834, 0.3024, 0.3701



50.3834, 0.2757, 0.3448

Triad

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



50.3834, 0.3024, 0.3701



50.3834, 0.2676, 0.2803



50.3834, 0.3693, 0.3378

Complementary

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



50.3834, 0.3024, 0.3701



39.7180, 0.3249, 0.2911

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.



50.3834, 0.3501, 0.3129



50.3834, 0.3024, 0.3701



50.3834, 0.2908, 0.2807

Square

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



50.3834, 0.3024, 0.3701



50.3834, 0.2564, 0.2926



50.3834, 0.3210, 0.2924



50.3834, 0.3723, 0.3619

Rectangle

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



50.3834, 0.3024, 0.3701



50.3834, 0.2633, 0.3253



50.3834, 0.3210, 0.2924



50.3834, 0.3645, 0.3293

Sweetspot

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



50.3855, 0.3024, 0.3701



96.5115, 0.3097, 0.3400



53.3985, 0.3344, 0.3816



20.5796, 0.3093, 0.3413



0.0000, 0.0000, 0.0000



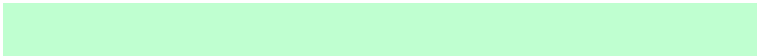
21.4041, 0.3127, 0.3290

Same Dimension

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



50.3855, 0.3024, 0.3701



87.1964, 0.3001, 0.3808



51.2095, 0.2884, 0.3417



11.9336, 0.3080, 0.3464



26.4442, 0.2904, 0.5656



1.2646, 0.2784, 0.5223

Inverse Universe

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



39.7180, 0.3249, 0.2911



64.8023, 0.3283, 0.2823



38.9024, 0.3443, 0.3167



10.7664, 0.3178, 0.3122



9.1544, 0.4015, 0.1986



0.4450, 0.3811, 0.1873

Previews

White Background



This preview shows how the Yxy color 50.3834, 0.3024, 0.3701 looks on a white background.

Color Contrast Check

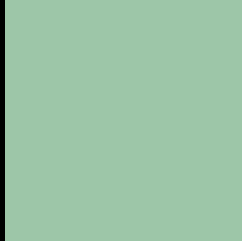
Large Text (above 18pt) WCAG AA × Fail

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 50.3834, 0.3024, 0.3701 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 50.3834, 0.3024, 0.3701

Background



This preview shows how black text looks on a background with the Yxy color 50.3834, 0.3024, 0.3701.



This preview shows how white text looks on a background with the Yxy color 50.3834, 0.3024, 0.3701.

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

50.3834, 0.3024, 0.3701

Protanopia

50.0196, 0.3412, 0.3607

Deuteranopia

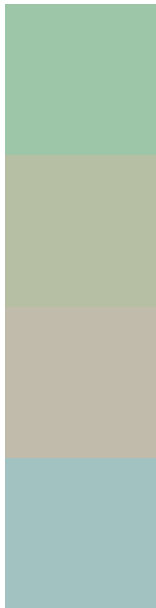
49.9851, 0.3483, 0.3412



Tritanopia

50.1459, 0.2800, 0.3083

Trichromacy



Original Color

50.3834, 0.3024, 0.3701

Protanomaly

49.8870, 0.3259, 0.3644

Deuteranomaly

49.6494, 0.3303, 0.3507

Tritanomaly

50.0109, 0.2880, 0.3303

Monochromacy



Original Color

50.3834, 0.3024, 0.3701

Achromatopsia

46.7784, 0.3127, 0.3290

Achromatomaly

48.0250, 0.3087, 0.3436

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.3834, 0.3024, 0.3701 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(157, 198, 168)` looks like.

```
.text, #text, p{  
    color:rgb(157, 198, 168)  
}
```

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(157, 198, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 198, 168) }
```

Border

The CSS property to change the border of an element to Yxy 50.3834, 0.3024, 0.3701 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(157, 198, 168) }
```

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

```
.border{ border-color:rgb(157, 198, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 198, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 198, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 198, 168);  
box-shadow:4px 4px 4px 4px rgb(157, 198,  
168) }
```


Background

The CSS property to change the background color of an element to Yxy 50.3834, 0.3024, 0.3701 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 198, 168) }
```

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

```
.background{ background-color: rgb(157,  
198, 168) }
```

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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