

# Converting Colors

$Yxy(59.0810, 0.2949, 0.3960)$

Have a look what the booklet for  
Yxy(59.0810, 0.2949, 0.3960)  
contains.

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# Color

**Yxy(59.0810, 0.2949, 0.3960)**

# Conversions

## Conversions Part 1

Format	Color
Hex	92DAA8
RGB	146, 218, 168
RGB Percent	57%, 85%, 66%
CMY	0.4273, 0.1451, 0.3413
CMYK	0.33, 0.00, 0.23, 0.15
HSL	138°, 49%, 71%
HSV	138°, 33%, 85%
XYZ	43.9974, 59.0810, 46.1160
YIQ	190.7720, -26.8620, -30.8140

# Conversions

## Conversions Part 2

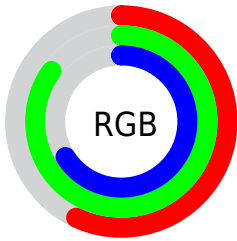
Format	Color
<a href="#">RYB</a>	<a href="#">146, 201, 218</a>
Decimal	<a href="#">9624232</a>
CIELab	<a href="#">81.34, -32.77, 17.62</a>
CIELCh	<a href="#">81, 37.209, 151.728</a>
Yxy	<a href="#">59.0810, 0.2949, 0.3960</a>
Android (android.graphics.Color)	<a href="#">4287814312 (0xFF92DAA8)</a>
YUV	<a href="#">190.7720, -11.2266, -39.2650</a>
Hunter-Lab	<a href="#">76.8642, -32.3380, 18.2328</a>

# Details

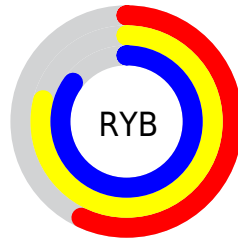
The Yxy color **59.0810, 0.2949, 0.3960** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **39.4671, 0.3369, 0.2704**, and the grayscale version is **52.0451, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.4043, 0.2985, 0.3634**, and **29.7825, 0.2895, 0.4152** is the 20% darker color. If you saturate the color by 10%, you get **56.7393, 0.2904, 0.4208**, and if you desaturate by 10%, it is **61.8744, 0.3000, 0.3732**.

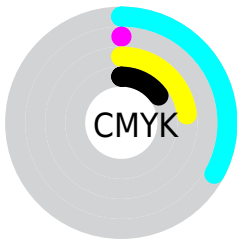
# Distribution



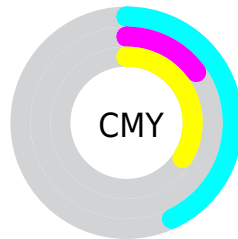
- Red (57%)
- Green (85%)
- Blue (66%)



- Red (57%)
- Yellow (79%)
- Blue (85%)



- Cyan (33%)
- Magenta (0%)
- Yellow (23%)
- Black (15%)




- Cyan (43%)
- Magenta (15%)
- Yellow (34%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 59.0810, 0.2949, 0.3960 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 59.0810, 0.2949, 0.3960 by changing the saturation by 10% instead.





 59.0810, 0.2949,  
0.3960


 59.0810, 0.2949,  
0.3960


421.2020, 0.3042,  
0.3624

 42.6783, 0.2925,  
0.4044

 103.4954, 0.2983,  
0.3838

 29.6328, 0.2893,  
0.4152


 132.2759, 0.2996,  
0.3792

 19.5600, 0.2850,  
0.4296


165.9511, 0.3007,  
0.3753

 12.0756, 0.2789,  
0.4496

204.9055, 0.3016,  
0.3720

 6.7952, 0.2694,  
0.4792

249.5233, 0.3024,  
0.3691

 3.3344, 0.2530,  
0.5271

300.1891, 0.3031,

 1.3087, 0.2140,

0.3666

0.7129

357.2872, 0.3037,  
0.3644

0.1479, 0.0000,  
1.0000

0.0000, 0.0000,  
0.0000

59.0810, 0.2949,  
0.3960

59.0810, 0.2949,  
0.3960

56.7393, 0.2904,  
0.4208

61.8744, 0.3000,  
0.3732

54.8180, 0.2868,  
0.4470


65.1343, 0.3055,  
0.3525


53.2933, 0.2844,  
0.4739


68.8838, 0.3110,  
0.3341


52.1358, 0.2835,  
0.5004


73.1423, 0.3166,  
0.3179

 51.3120, 0.2843,  
0.5252

 77.9189, 0.3219,  
0.3037

 50.7817, 0.2867,  
0.5471

 78.6218, 0.3144,  
0.2930

 50.5402, 0.2890,  
0.5603

# Harmonies

## Analogous

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



59.0810, 0.3424, 0.4158



59.0810, 0.2949, 0.3960



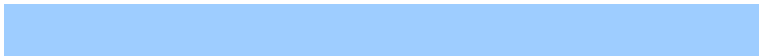
59.0810, 0.2542, 0.3533

# Triad

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



59.0810, 0.2949, 0.3960



59.0810, 0.2430, 0.2536



59.0810, 0.4031, 0.3410

# Complementary

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



59.0810, 0.2949, 0.3960



39.4671, 0.3369, 0.2704

# 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.



59.0810, 0.3723, 0.3036



59.0810, 0.2949, 0.3960



59.0810, 0.2781, 0.2552

# Square

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



59.0810, 0.2949, 0.3960



59.0810, 0.2262, 0.2706



59.0810, 0.3254, 0.2732



59.0810, 0.4069, 0.3784



# Rectangle

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



59.0810, 0.2949, 0.3960



59.0810, 0.2358, 0.3211



59.0810, 0.3254, 0.2732



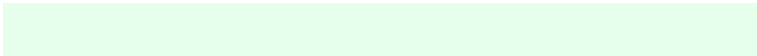
59.0810, 0.3955, 0.3281

# Sweetspot

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



59.0835, 0.2949, 0.3960



94.3906, 0.3071, 0.3469



64.0100, 0.3452, 0.4159



20.0472, 0.3063, 0.3496



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

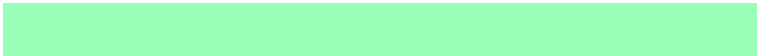


# Same Dimension

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



59.0835, 0.2949, 0.3960



81.7563, 0.2915, 0.4141



60.5982, 0.2739, 0.3474



14.6712, 0.3075, 0.3457



30.2963, 0.2882, 0.5577



1.9779, 0.2790, 0.5244



# Inverse Universe

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



39.4671, 0.3369, 0.2704



49.4200, 0.3441, 0.2574



38.0316, 0.3736, 0.3117



13.2037, 0.3184, 0.3129



10.2997, 0.4158, 0.2064



0.6823, 0.3967, 0.1959



# Previews

## White Background



This preview shows how the Yxy color 59.0810, 0.2949, 0.3960 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

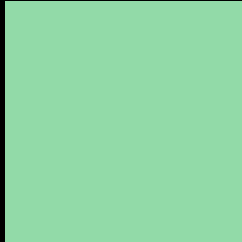
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 59.0810, 0.2949, 0.3960 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 59.0810, 0.2949, 0.3960**

## **Background**



This preview shows how black text looks on a background with the Yxy color 59.0810, 0.2949, 0.3960.

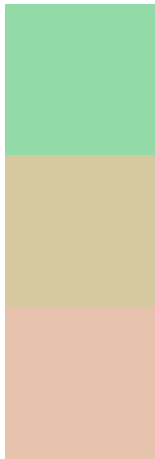


This preview shows how white text looks on a background with the Yxy color 59.0810, 0.2949, 0.3960.

# 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**

59.0810, 0.2949, 0.3960

**Protanopia**

58.6075, 0.3540, 0.3775

**Deuteranopia**

58.5896, 0.3600, 0.3528



## Tritanopia

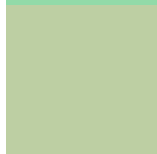
58.9083, 0.2667, 0.3080

# Trichromacy



## Original Color

59.0810, 0.2949, 0.3960



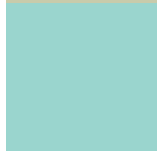
## Protanomaly

58.0888, 0.3300, 0.3841



## Deuteranomaly

57.9315, 0.3337, 0.3681



## Tritanomaly

58.9148, 0.2767, 0.3378

# Monochromacy



## Original Color

59.0810, 0.2949, 0.3960



## Achromatopsia

52.0996, 0.3127, 0.3290



## Achromatomaly

54.3061, 0.3055, 0.3521

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 59.0810, 0.2949, 0.3960 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, 218, 168)` looks like.

```
.text, #text, p{  
    color:rgb(146, 218, 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(146, 218, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 218, 168) }
```

## Border

The CSS property to change the border of an element to Yxy 59.0810, 0.2949, 0.3960 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, 218, 168) }
```

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

```
.border{ border-color:rgb(146, 218, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 218, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(146, 218, 168); -webkit-box-shadow:4px 4px 4px 4px rgb(146, 218, 168); box-shadow:4px 4px 4px 4px rgb(146, 218, 168) }
```



# Background

The CSS property to change the background color of an element to Yxy 59.0810, 0.2949, 0.3960 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 218, 168) }
```

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

```
.background{ background-color: rgb(146,  
218, 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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