

# Converting Colors

$Yxy(66.8990, 0.2876, 0.3893)$

Have a look what the booklet for  
Yxy(66.8990, 0.2876, 0.3893)  
contains.

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# Color

**Yxy(66.9084, 0.2874, 0.3890)**

# Conversions

## Conversions Part 1

Format	Color
Hex	94E7B8
RGB	148, 231, 184
RGB Percent	58%, 91%, 72%
CMY	0.4198, 0.0941, 0.2784
CMYK	0.36, 0.00, 0.20, 0.09
HSL	146°, 63%, 74%
HSV	146°, 36%, 91%
XYZ	49.4331, 66.9084, 55.6595
YIQ	200.8250, -34.3810, -32.2130

# Conversions

## Conversions Part 2

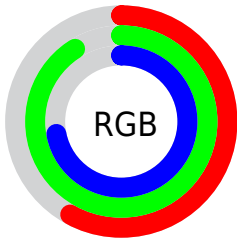
Format	Color
<a href="#">RYB</a>	<a href="#">148, 206, 231</a>
Decimal	<a href="#">9758648</a>
CIELab	<a href="#">85.46, -35.22, 15.01</a>
CIELCh	<a href="#">85, 38.287, 156.916</a>
Yxy	<a href="#">66.9084, 0.2874, 0.3890</a>
Android (android.graphics.Color)	<a href="#">4287948728</a> <a href="#">(0xFF94E7B8)</a>
YUV	<a href="#">200.8250, -8.2947, -46.3275</a>
Hunter-Lab	<a href="#">81.7976, -35.2720, 16.9141</a>

# Details

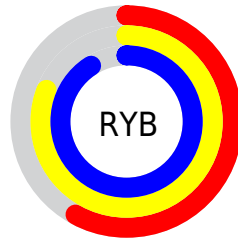
The Yxy color **66.9084, 0.2874, 0.3890** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **42.0915, 0.3503, 0.2762**, and the grayscale version is **58.3571, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.6486, 0.2905, 0.3447**, and **34.6258, 0.2801, 0.4052** is the 20% darker color. If you saturate the color by 10%, you get **64.4454, 0.2818, 0.4094**, and if you desaturate by 10%, it is **69.8574, 0.2939, 0.3701**.

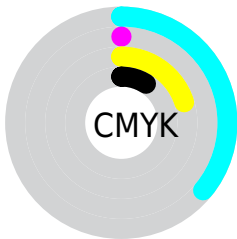
# Distribution



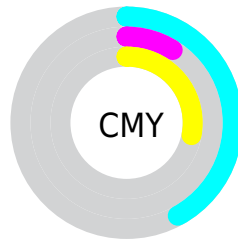
- Red (58%)
- Green (91%)
- Blue (72%)



- Red (58%)
- Yellow (81%)
- Blue (91%)



- Cyan (36%)
- Magenta (0%)
- Yellow (20%)
- Black (9%)




- Cyan (42%)
- Magenta (9%)
- Yellow (28%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 66.9084, 0.2874, 0.3890 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 66.9084, 0.2874, 0.3890 by changing the saturation by 10% instead.




 66.9084, 0.2874,  
0.3890

 66.9084, 0.2874,  
0.3890


449.6187, 0.2999,  
0.3596

 49.0102, 0.2844,  
0.3961


 114.7891, 0.2919,  
0.3785

 34.6276, 0.2805,  
0.4052


 145.5405, 0.2936,  
0.3745

 23.3761, 0.2754,  
0.4171


181.3450, 0.2950,  
0.3711

 14.8715, 0.2684,  
0.4333

222.5870, 0.2963,  
0.3681

 8.7292, 0.2583,  
0.4566

269.6510, 0.2973,  
0.3656

 4.5650, 0.2425,  
0.4929

322.9214, 0.2983,

 1.9944, 0.2145,

0.3633

0.5579

382.7824, 0.2991,  
0.3614

0.6042, 0.0000,  
1.0000

0.0000, 0.0000,  
0.0000

66.9084, 0.2874,  
0.3890

66.9084, 0.2874,  
0.3890

64.4454, 0.2818,  
0.4094

69.8574, 0.2939,  
0.3701

62.4330, 0.2775,  
0.4310


73.3090, 0.3009,  
0.3529

60.8442, 0.2747,  
0.4533


77.2891, 0.3083,  
0.3374

59.6452, 0.2738,  
0.4756

81.8194, 0.3157,  
0.3236

 58.7970, 0.2748,  
0.4971

 85.2821, 0.3174,  
0.3112

 58.2514, 0.2777,  
0.5171

 85.6394, 0.3138,  
0.3058

 58.0852, 0.2791,  
0.5247

# Harmonies

## Analogous

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



66.9084, 0.3340, 0.4133



66.9084, 0.2874, 0.3890



66.9084, 0.2494, 0.3447

# Triad

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



66.9084, 0.2874, 0.3890



66.9084, 0.2486, 0.2535



66.9084, 0.4046, 0.3475

# Complementary

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



66.9084, 0.2874, 0.3890



42.0915, 0.3503, 0.2762

# 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.



66.9084, 0.3784, 0.3100



66.9084, 0.2874, 0.3890



66.9084, 0.2861, 0.2581

# Square

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



66.9084, 0.2874, 0.3890



66.9084, 0.2286, 0.2671



66.9084, 0.3337, 0.2783



66.9084, 0.4035, 0.3837



# Rectangle

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



66.9084, 0.2874, 0.3890



66.9084, 0.2334, 0.3134



66.9084, 0.3337, 0.2783



66.9084, 0.3987, 0.3348

# Sweetspot

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



66.9112, 0.2874, 0.3890



94.0823, 0.3045, 0.3451



70.9002, 0.3399, 0.4270



19.9937, 0.3035, 0.3472



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

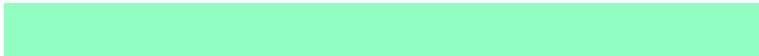


# Same Dimension

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



66.9112, 0.2874, 0.3890



81.4197, 0.2832, 0.4037



68.9124, 0.2651, 0.3356



16.1926, 0.3057, 0.3426



32.5829, 0.2783, 0.5218



2.4261, 0.2703, 0.4931



# Inverse Universe

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



42.0915, 0.3503, 0.2762



46.1424, 0.3610, 0.2656



40.4694, 0.3935, 0.3228



14.5040, 0.3204, 0.3158



10.4640, 0.4677, 0.2350

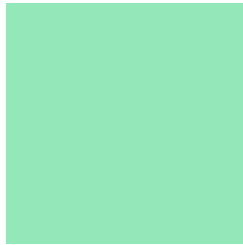


0.7918, 0.4404, 0.2200



# Previews

## White Background



This preview shows how the Yxy color 66.9084, 0.2874, 0.3890 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

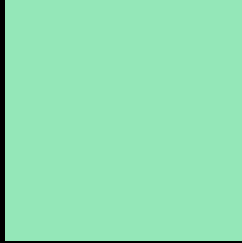
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 66.9084, 0.2874, 0.3890 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 66.9084, 0.2874, 0.3890**

## **Background**



This preview shows how black text looks on a background with the Yxy color 66.9084, 0.2874, 0.3890.

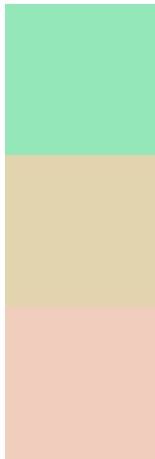


This preview shows how white text looks on a background with the Yxy color 66.9084, 0.2874, 0.3890.

# 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

66.9084, 0.2874, 0.3890

### Protanopia

66.1897, 0.3491, 0.3707

### Deuteranopia

66.0811, 0.3521, 0.3453



## Tritanopia

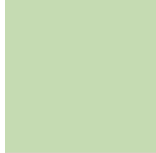
66.5998, 0.2622, 0.3077

# Trichromacy



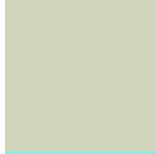
## Original Color

66.9084, 0.2874, 0.3890



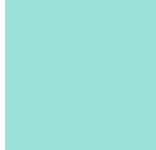
## Protanomaly

65.7477, 0.3241, 0.3779



## Deuteranomaly

64.9894, 0.3254, 0.3593



## Tritanomaly

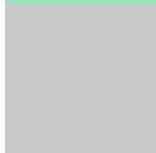
66.6279, 0.2716, 0.3362

# Monochromacy



## Original Color

66.9084, 0.2874, 0.3890



## Achromatopsia

58.4078, 0.3127, 0.3290



## Achromatomaly

60.9722, 0.3023, 0.3499

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 66.9084, 0.2874, 0.3890 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(148, 231, 184)` looks like.

```
.text, #text, p{  
    color:rgb(148, 231, 184)  
}
```

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(148, 231, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 231, 184) }
```

## Border

The CSS property to change the border of an element to Yxy 66.9084, 0.2874, 0.3890 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(148, 231, 184) }
```

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

```
.border{ border-color:rgb(148, 231, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 231, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 231, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 231, 184);  
box-shadow:4px 4px 4px 4px rgb(148, 231,  
184) }
```



# Background

The CSS property to change the background color of an element to Yxy 66.9084, 0.2874, 0.3890 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 231, 184) }
```

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

```
.background{ background-color: rgb(148,  
231, 184) }
```

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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