

# Converting Colors

$Yxy(72.4892, 0.2888, 0.3924)$

Have a look what the booklet for  
Yxy(72.4892, 0.2888, 0.3924)  
contains.

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# Color

**Yxy(72.8210, 0.2892, 0.3932)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9AF0BC
RGB	154, 240, 188
RGB Percent	60%, 94%, 74%
CMY	0.3962, 0.0588, 0.2627
CMYK	0.36, 0.00, 0.22, 0.06
HSL	144°, 74%, 77%
HSV	144°, 36%, 94%
XYZ	53.5601, 72.8210, 58.8198
YIQ	208.3580, -34.5640, -34.4040

# Conversions

## Conversions Part 2

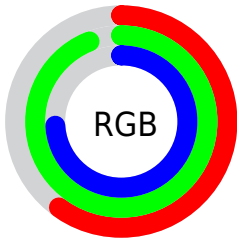
<b>Format</b>	<b>Color</b>
<b>RYB</b>	154, 216, 240
Decimal	10154172
CIELab	88.36, -36.85, 17.05
CIELCh	88, 40.602, 155.172
Yxy	72.8210, 0.2892, 0.3932
Android (android.graphics.Color)	4288344252 (0xFF9AF0BC)
YUV	208.3580, -10.0365, -47.6720
Hunter-Lab	85.3352, -37.3023, 18.8673

# Details

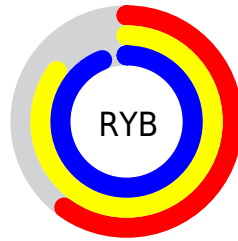
The Yxy color **72.8210, 0.2892, 0.3932** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **46.0811, 0.3471, 0.2729**, and the grayscale version is **63.4018, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.9005, 0.2924, 0.3403**, and **38.2689, 0.2825, 0.4087** is the 20% darker color. If you saturate the color by 10%, you get **70.1059, 0.2840, 0.4152**, and if you desaturate by 10%, it is **76.0757, 0.2952, 0.3729**.

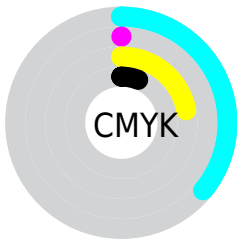
# Distribution



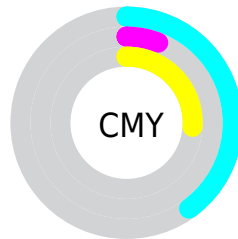
- Red (60%)
- Green (94%)
- Blue (74%)



- Red (60%)
- Yellow (85%)
- Blue (94%)



- Cyan (36%)
- Magenta (0%)
- Yellow (22%)
- Black (6%)




- Cyan (40%)
- Magenta (6%)
- Yellow (26%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 72.8210, 0.2892, 0.3932 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 72.8210, 0.2892, 0.3932 by changing the saturation by 10% instead.




 72.8210, 0.2892,  
0.3932


 72.8210, 0.2892,  
0.3932

470.3942, 0.3007,  
0.3621

 53.8296, 0.2864,  
0.4006


 123.2231, 0.2933,  
0.3821

 38.4655, 0.2828,  
0.4100


 155.4025, 0.2949,  
0.3779

 26.3441, 0.2782,  
0.4222


192.7468, 0.2962,  
0.3743

 17.0813, 0.2719,  
0.4386

235.6403, 0.2974,  
0.3712

 10.2925, 0.2628,  
0.4619

284.4674, 0.2984,  
0.3685

 5.5933, 0.2487,  
0.4973

339.6125, 0.2993,

 2.5994, 0.2243,

0.3661

401.4599, 0.3001,  
0.3640

0.5567

0.9264, 0.0000,  
1.0000

0.0000, 0.0000,  
0.0000

72.8210, 0.2892,  
0.3932

72.8210, 0.2892,  
0.3932

70.1059, 0.2840,  
0.4152

76.0757, 0.2952,  
0.3729

67.8913, 0.2800,  
0.4383

79.8887, 0.3018,  
0.3544

66.1471, 0.2775,  
0.4622

84.2887, 0.3087,  
0.3378

64.8360, 0.2767,  
0.4858

89.2996, 0.3156,  
0.3231

■ 63.9146, 0.2779,  
0.5084

■ 90.8056, 0.3134,  
0.3146

■ 63.3296, 0.2809,  
0.5289

■ 63.1516, 0.2825,  
0.5368

# Harmonies

## Analogous

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



72.8210, 0.3374, 0.4166



72.8210, 0.2892, 0.3932



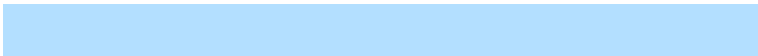
72.8210, 0.2494, 0.3481

# Triad

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



72.8210, 0.2892, 0.3932



72.8210, 0.2451, 0.2516



72.8210, 0.4066, 0.3456

# Complementary

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



72.8210, 0.2892, 0.3932



46.0811, 0.3471, 0.2729

# 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.



72.8210, 0.3781, 0.3073



72.8210, 0.2892, 0.3932



72.8210, 0.2826, 0.2554

# Square

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



72.8210, 0.2892, 0.3932



72.8210, 0.2257, 0.2666



72.8210, 0.3314, 0.2753



72.8210, 0.4071, 0.3831



# Rectangle

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



72.8210, 0.2892, 0.3932



72.8210, 0.2322, 0.3155



72.8210, 0.3314, 0.2753



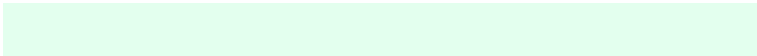
72.8210, 0.4000, 0.3325

# Sweetspot

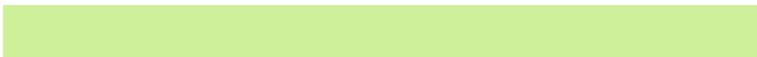
The Sweet Spot groups the original color and five complimentary colors.



72.8240, 0.2892, 0.3932



94.0188, 0.3051, 0.3462



77.9267, 0.3429, 0.4259



19.9787, 0.3042, 0.3485



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

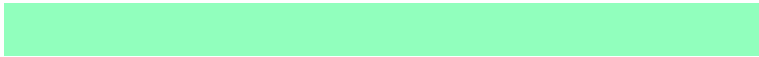


# Same Dimension

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



72.8240, 0.2892, 0.3932



81.2347, 0.2853, 0.4091



74.9039, 0.2673, 0.3407



17.7600, 0.3062, 0.3436



34.5916, 0.2816, 0.5338



2.8968, 0.2743, 0.5074



# Inverse Universe

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



46.0811, 0.3471, 0.2729



46.3514, 0.3569, 0.2615



44.3075, 0.3890, 0.3180



15.9193, 0.3199, 0.3148



11.2873, 0.4522, 0.2265

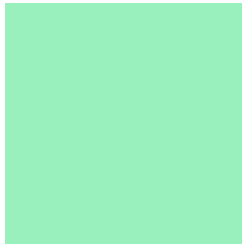


0.9585, 0.4302, 0.2144



# Previews

## White Background



This preview shows how the Yxy color 72.8210, 0.2892, 0.3932 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

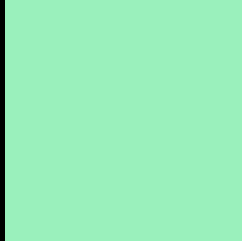
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 72.8210, 0.2892, 0.3932 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

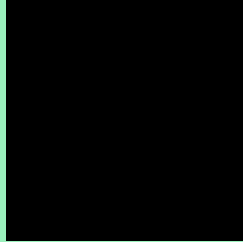
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 72.8210, 0.2892, 0.3932**

## **Background**



This preview shows how black text looks on a background with the Yxy color 72.8210, 0.2892, 0.3932.

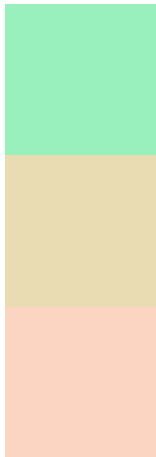


This preview shows how white text looks on a background with the Yxy color 72.8210, 0.2892, 0.3932.

# 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

72.8210, 0.2892, 0.3932

### Protanopia

71.8932, 0.3521, 0.3747

### Deuteranopia

72.1790, 0.3560, 0.3488



## Tritanopia

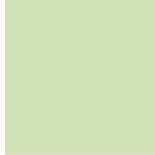
72.8308, 0.2628, 0.3085

# Trichromacy



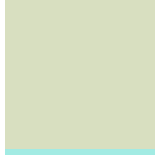
## Original Color

72.8210, 0.2892, 0.3932



## Protanomaly

71.2947, 0.3264, 0.3809



## Deuteranomaly

71.1801, 0.3283, 0.3639



## Tritanomaly

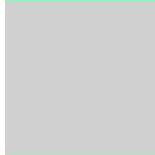
72.6441, 0.2723, 0.3383

# Monochromacy



## Original Color

72.8210, 0.2892, 0.3932



## Achromatopsia

63.0757, 0.3127, 0.3290



## Achromatomaly

66.0948, 0.3025, 0.3516

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 72.8210, 0.2892, 0.3932 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(154, 240, 188)` looks like.

```
.text, #text, p{  
    color:rgb(154, 240, 188)  
}
```

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(154, 240, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 240, 188) }
```

## Border

The CSS property to change the border of an element to Yxy 72.8210, 0.2892, 0.3932 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(154, 240, 188) }
```

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

```
.border{ border-color:rgb(154, 240, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 240, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 240, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 240, 188);  
box-shadow:4px 4px 4px 4px rgb(154, 240,  
188) }
```



# Background

The CSS property to change the background color of an element to Yxy 72.8210, 0.2892, 0.3932 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 240, 188) }
```

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

```
.background{ background-color: rgb(154,  
240, 188) }
```

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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