

Converting Colors

$Yxy(70.9288, 0.2907, 0.3942)$

Have a look what the booklet for
Yxy(70.9288, 0.2907, 0.3942)
contains.

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Color

Yxy(70.9412, 0.2907, 0.3938)

Conversions

Conversions Part 1

Format	Color
Hex	9AEDB9
RGB	154, 237, 185
RGB Percent	60%, 93%, 73%
CMY	0.3961, 0.0706, 0.2745
CMYK	0.35, 0.00, 0.22, 0.07
HSL	142°, 70%, 77%
HSV	142°, 35%, 93%
XYZ	52.3682, 70.9412, 56.8358
YIQ	206.2550, -32.7760, -33.7680

Conversions

Conversions Part 2

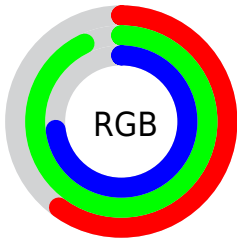
Format	Color
RYB	154, 214, 237
Decimal	10153401
CIELab	87.46, -36.03, 17.34
CIELCh	87, 39.986, 154.302
Yxy	70.9412, 0.2907, 0.3938
Android (android.graphics.Color)	4288343481 (0xFF9AEDB9)
YUV	206.2550, -10.4787, -45.8276
Hunter-Lab	84.2266, -36.4135, 18.9499

Details

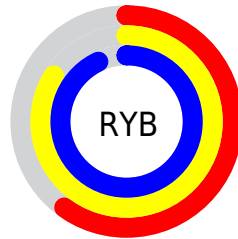
The Yxy color **70.9412, 0.2907, 0.3938** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **45.5732, 0.3443, 0.2723**, and the grayscale version is **61.9795, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.7198, 0.2940, 0.3435**, and **37.3663, 0.2843, 0.4112** is the 20% darker color. If you saturate the color by 10%, you get **68.2489, 0.2856, 0.4165**, and if you desaturate by 10%, it is **74.1640, 0.2965, 0.3728**.

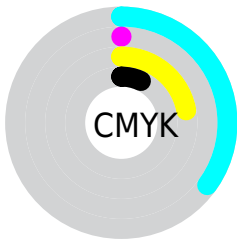
Distribution



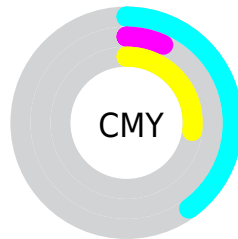
- Red (60%)
- Green (93%)
- Blue (73%)



- Red (60%)
- Yellow (84%)
- Blue (93%)



- Cyan (35%)
- Magenta (0%)
- Yellow (22%)
- Black (7%)




- Cyan (40%)
- Magenta (7%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 70.9412, 0.2907, 0.3938 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 70.9412, 0.2907, 0.3938 by changing the saturation by 10% instead.

 70.9412, 0.2907,
0.3938


 70.9412, 0.2907,
0.3938


463.8479, 0.3016,
0.3623

 52.2942, 0.2880,
0.4014


 120.5500, 0.2946,
0.3826

 37.2396, 0.2846,
0.4110


 152.2806, 0.2961,
0.3783

 25.3931, 0.2801,
0.4234


189.1412, 0.2974,
0.3746

 16.3702, 0.2740,
0.4403

231.5162, 0.2985,
0.3715

 9.7865, 0.2650,
0.4644

279.7899, 0.2994,
0.3687

 5.2576, 0.2510,
0.5012

334.3469, 0.3002,

 2.3992, 0.2263,

0.3663

0.5640

395.5714, 0.3010,
0.3642

0.8255, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

70.9412, 0.2907,
0.3938

70.9412, 0.2907,
0.3938

68.2489, 0.2856,
0.4165

74.1640, 0.2965,
0.3728

66.0491, 0.2817,
0.4404

77.9352, 0.3029,
0.3538

64.3126, 0.2792,
0.4650

82.2828, 0.3094,
0.3368

63.0033, 0.2784,
0.4894

87.2301, 0.3160,
0.3217

■ 62.0796, 0.2795,
0.5126

■ 89.0507, 0.3135,
0.3117

■ 61.4907, 0.2824,
0.5336

■ 61.2843, 0.2842,
0.5431

Harmonies

Analogous

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



70.9412, 0.3386, 0.4162



70.9412, 0.2907, 0.3938



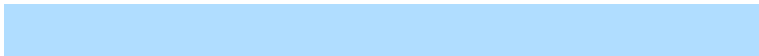
70.9412, 0.2507, 0.3494

Triad

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



70.9412, 0.2907, 0.3938



70.9412, 0.2446, 0.2523



70.9412, 0.4056, 0.3444

Complementary

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



70.9412, 0.2907, 0.3938



45.5732, 0.3443, 0.2723

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.



70.9412, 0.3765, 0.3064



70.9412, 0.2907, 0.3938



70.9412, 0.2815, 0.2555

Square

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



70.9412, 0.2907, 0.3938



70.9412, 0.2259, 0.2678



70.9412, 0.3298, 0.2749



70.9412, 0.4069, 0.3818

Rectangle

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



70.9412, 0.2907, 0.3938



70.9412, 0.2333, 0.3170



70.9412, 0.3298, 0.2749



70.9412, 0.3987, 0.3314

Sweetspot

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



70.9441, 0.2907, 0.3938



93.9823, 0.3055, 0.3468



76.1074, 0.3432, 0.4232



19.9700, 0.3046, 0.3492



0.0000, 0.0000, 0.0000



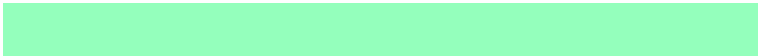
21.4041, 0.3127, 0.3290

Same Dimension

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



70.9441, 0.2907, 0.3938



81.4335, 0.2870, 0.4098



72.9285, 0.2689, 0.3420



16.9552, 0.3065, 0.3441



33.4810, 0.2834, 0.5401



2.6472, 0.2756, 0.5121

Inverse Universe

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



45.5732, 0.3443, 0.2723



47.3143, 0.3532, 0.2608



43.8363, 0.3850, 0.3167



15.2128, 0.3195, 0.3143



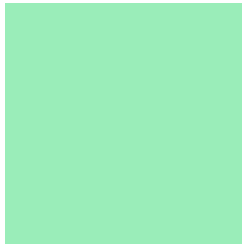
11.0314, 0.4431, 0.2214



0.8848, 0.4216, 0.2096

Previews

White Background



This preview shows how the Yxy color 70.9412, 0.2907, 0.3938 looks on a white background.

Color Contrast Check

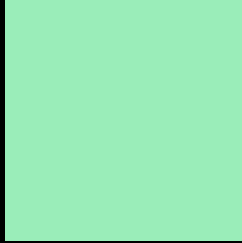
Large Text (above 18pt) WCAG AA × Fail

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 70.9412, 0.2907, 0.3938 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 70.9412, 0.2907, 0.3938

Background



This preview shows how black text looks on a background with the Yxy color 70.9412, 0.2907, 0.3938.

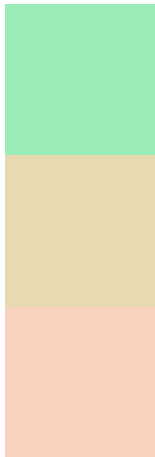


This preview shows how white text looks on a background with the Yxy color 70.9412, 0.2907, 0.3938.

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

70.9412, 0.2907, 0.3938

Protanopia

70.2663, 0.3517, 0.3752

Deuteranopia

69.9945, 0.3566, 0.3490



Tritanopia

70.9695, 0.2639, 0.3083

Trichromacy



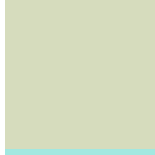
Original Color

70.9412, 0.2907, 0.3938



Protanomaly

69.8016, 0.3271, 0.3825



Deuteranomaly

69.1567, 0.3292, 0.3642



Tritanomaly

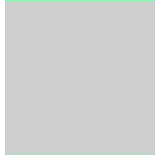
70.7764, 0.2735, 0.3384

Monochromacy



Original Color

70.9412, 0.2907, 0.3938



Achromatopsia

61.7207, 0.3127, 0.3290



Achromatomaly

64.2677, 0.3038, 0.3518

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.9412, 0.2907, 0.3938 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, 237, 185)` looks like.

```
.text, #text, p{  
    color:rgb(154, 237, 185)  
}
```

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, 237, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 237, 185) }
```

Border

The CSS property to change the border of an element to Yxy 70.9412, 0.2907, 0.3938 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, 237, 185) }
```

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

```
.border{ border-color:rgb(154, 237, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 237, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 237, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 237, 185);  
box-shadow:4px 4px 4px 4px rgb(154, 237,  
185) }
```


Background

The CSS property to change the background color of an element to Yxy 70.9412, 0.2907, 0.3938 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 237, 185) }
```

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

```
.background{ background-color: rgb(154,  
237, 185) }
```

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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