

Converting Colors

$Yxy(70.9991, 0.2919, 0.3908)$

Have a look what the booklet for
Yxy(70.9991, 0.2919, 0.3908)
contains.

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Color

Yxy(70.8479, 0.2919, 0.3897)

Conversions

Conversions Part 1

Format	Color
Hex	9EECB8
RGB	158, 236, 187
RGB Percent	62%, 93%, 73%
CMY	0.3803, 0.0745, 0.2667
CMYK	0.33, 0.00, 0.21, 0.07
HSL	142°, 67%, 77%
HSV	142°, 33%, 93%
XYZ	53.0677, 70.8479, 57.8855
YIQ	207.0920, -30.7590, -31.7750

Conversions

Conversions Part 2

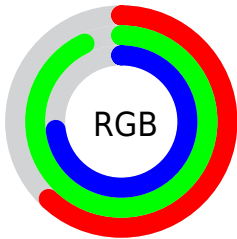
Format	Color
RYB	158, 215, 236
Decimal	10415291
CIELab	87.41, -34.02, 16.28
CIELCh	87, 37.711, 154.432
Yxy	70.8479, 0.2919, 0.3897
Android (android.graphics.Color)	4288605371 (0xFF9EECB)
YUV	207.0920, -9.9054, -43.0537
Hunter-Lab	84.1712, -34.7600, 18.1454

Details

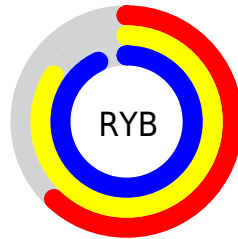
The Yxy color **70.8479, 0.2919, 0.3897** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **46.8013, 0.3419, 0.2754**, and the grayscale version is **62.5431, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.2872, 0.2947, 0.3413**, and **37.3068, 0.2862, 0.4055** is the 20% darker color. If you saturate the color by 10%, you get **68.0797, 0.2867, 0.4121**, and if you desaturate by 10%, it is **74.1471, 0.2978, 0.3691**.

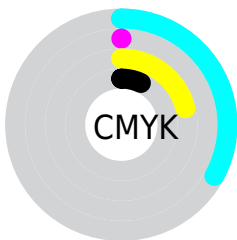
Distribution



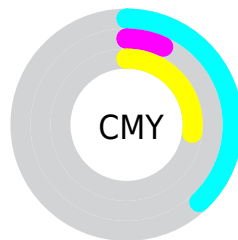
- Red (62%)
- Green (93%)
- Blue (73%)



- Red (62%)
- Yellow (84%)
- Blue (93%)



- Cyan (33%)
- Magenta (0%)
- Yellow (21%)
- Black (7%)




- Cyan (38%)
- Magenta (7%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.8479, 0.2919, 0.3897 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 70.8479, 0.2919, 0.3897 by changing the saturation by 10% instead.

 70.8479, 0.2919,
0.3897


 70.8479, 0.2919,
0.3897


463.5216, 0.3022,
0.3602

 52.2181, 0.2894,
0.3968


 120.4171, 0.2956,
0.3792

 37.1789, 0.2862,
0.4057


 152.1253, 0.2970,
0.3752

 25.3461, 0.2820,
0.4173

188.9618, 0.2982,
0.3718

 16.3351, 0.2762,
0.4330

231.3109, 0.2992,
0.3688

 9.7616, 0.2679,
0.4554

279.5570, 0.3001,
0.3663

 5.2412, 0.2549,
0.4896


334.0846, 0.3009,

 2.3894, 0.2320,


0.3640


0.5478

395.2779, 0.3016,
0.3620


 0.8204, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 70.8479, 0.2919,
0.3897


 70.8479, 0.2919,
0.3897


 68.0797, 0.2867,
0.4121


 74.1471, 0.2978,
0.3691


 65.8054, 0.2825,
0.4360

 77.9948, 0.3042,
0.3504

 63.9967, 0.2797,
0.4606

 82.4182, 0.3107,
0.3337

 62.6189, 0.2786,
0.4851

 87.4402, 0.3173,
0.3189

■ 61.6319, 0.2793,
0.5087

■ 88.4720, 0.3136,
0.3107

■ 60.9876, 0.2819,
0.5302

■ 60.6911, 0.2843,
0.5436

Harmonies

Analogous

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



70.8479, 0.3372, 0.4110



70.8479, 0.2919, 0.3897



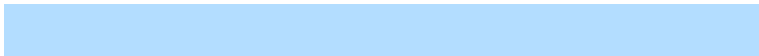
70.8479, 0.2540, 0.3481

Triad

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



70.8479, 0.2919, 0.3897



70.8479, 0.2484, 0.2563



70.8479, 0.4003, 0.3440

Complementary

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



70.8479, 0.2919, 0.3897



46.8013, 0.3419, 0.2754

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.



70.8479, 0.3731, 0.3079



70.8479, 0.2919, 0.3897



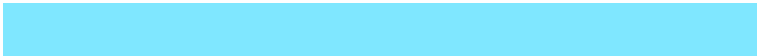
70.8479, 0.2835, 0.2592

Square

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



70.8479, 0.2919, 0.3897



70.8479, 0.2305, 0.2711



70.8479, 0.3292, 0.2778



70.8479, 0.4016, 0.3795

Rectangle

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



70.8479, 0.2919, 0.3897



70.8479, 0.2374, 0.3177



70.8479, 0.3292, 0.2778



70.8479, 0.3939, 0.3317

Sweetspot

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



70.8508, 0.2919, 0.3897



94.4908, 0.3061, 0.3452



75.7858, 0.3417, 0.4175



20.0713, 0.3052, 0.3476



0.0000, 0.0000, 0.0000



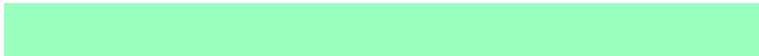
21.4041, 0.3127, 0.3290

Same Dimension

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



70.8508, 0.2919, 0.3897



82.0491, 0.2881, 0.4055



72.7327, 0.2710, 0.3412



16.9547, 0.3065, 0.3442



33.4764, 0.2835, 0.5407



2.6468, 0.2757, 0.5126

Inverse Universe

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



46.8013, 0.3419, 0.2754



49.0579, 0.3504, 0.2638



45.1375, 0.3793, 0.3174



15.2133, 0.3195, 0.3143



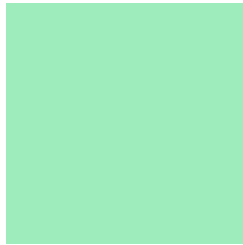
11.0400, 0.4422, 0.2210



0.8854, 0.4210, 0.2093

Previews

White Background



This preview shows how the Yxy color 70.8479, 0.2919, 0.3897 looks on a white background.

Color Contrast Check

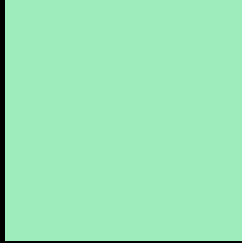
Large Text (above 18pt) WCAG AA × Fail

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 70.8479, 0.2919, 0.3897 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

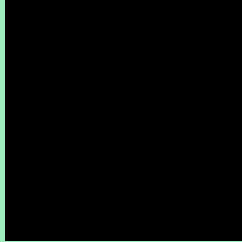
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 70.8479, 0.2919, 0.3897

Background



This preview shows how black text looks on a background with the Yxy color 70.8479, 0.2919, 0.3897.

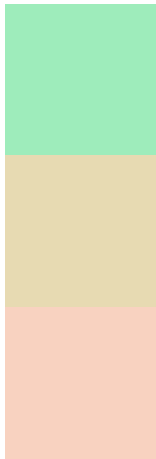


This preview shows how white text looks on a background with the Yxy color 70.8479, 0.2919, 0.3897.

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

70.8479, 0.2919, 0.3897

Protanopia

70.3461, 0.3502, 0.3729

Deuteranopia

69.8554, 0.3551, 0.3480



Tritanopia

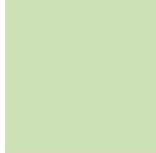
70.6867, 0.2659, 0.3083

Trichromacy



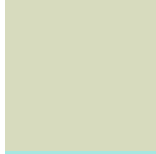
Original Color

70.8479, 0.2919, 0.3897



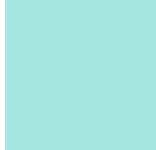
Protanomaly

70.0240, 0.3265, 0.3800



Deuteranomaly

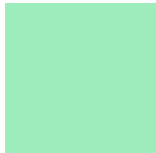
68.8278, 0.3294, 0.3619



Tritanomaly

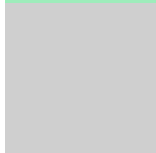
70.6951, 0.2751, 0.3360

Monochromacy



Original Color

70.8479, 0.2919, 0.3897



Achromatopsia

62.3960, 0.3127, 0.3290



Achromatomaly

65.1318, 0.3039, 0.3504

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.8479, 0.2919, 0.3897 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(158, 236, 187)` looks like.

```
.text, #text, p{  
    color:rgb(158, 236, 187)  
}
```

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(158, 236, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 236, 187) }
```

Border

The CSS property to change the border of an element to Yxy 70.8479, 0.2919, 0.3897 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(158, 236, 187) }
```

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

```
.border{ border-color:rgb(158, 236, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 236, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(158, 236, 187); -webkit-box-shadow:4px 4px 4px 4px rgb(158, 236, 187); box-shadow:4px 4px 4px 4px rgb(158, 236, 187) }
```


Background

The CSS property to change the background color of an element to Yxy 70.8479, 0.2919, 0.3897 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 236, 187) }
```

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

```
.background{ background-color: rgb(158,  
236, 187) }
```

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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