

# Converting Colors

$Yxy(70.5818, 0.2788, 0.3874)$

Have a look what the booklet for  
Yxy(70.5818, 0.2788, 0.3874)  
contains.

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# Color

**Yxy(70.4438, 0.2788, 0.3871)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8BEEC0
RGB	139, 238, 192
RGB Percent	55%, 93%, 75%
CMY	0.4550, 0.0666, 0.2470
CMYK	0.42, 0.00, 0.19, 0.07
HSL	152°, 74%, 74%
HSV	152°, 42%, 93%
XYZ	50.7356, 70.4438, 60.7990
YIQ	203.1550, -44.2380, -35.2940

# Conversions

## Conversions Part 2

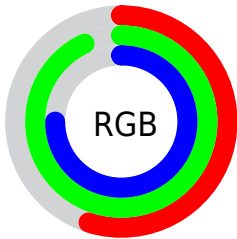
Format	Color
<a href="#">RYB</a>	<a href="#">139, 203, 238</a>
Decimal	<a href="#">9170624</a>
CIELab	<a href="#">87.21, -39.29, 13.26</a>
CIELCh	<a href="#">87, 41.469, 161.349</a>
Yxy	<a href="#">70.4438, 0.2788, 0.3871</a>
Android (android.graphics.Color)	<a href="#">4287360704 (0xFF8BEEC0)</a>
YUV	<a href="#">203.1550, -5.4994, -56.2639</a>
Hunter-Lab	<a href="#">83.9308, -38.9770, 15.8023</a>

# Details

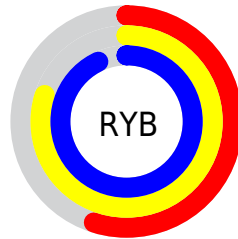
The Yxy color **70.4438, 0.2788, 0.3871** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **40.1415, 0.3692, 0.2783**, and the grayscale version is **59.8795, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.0331, 0.2819, 0.3363**, and **36.7217, 0.2705, 0.4025** is the 20% darker color. If you saturate the color by 10%, you get **68.1444, 0.2729, 0.4042**, and if you desaturate by 10%, it is **73.2316, 0.2859, 0.3711**.

# Distribution



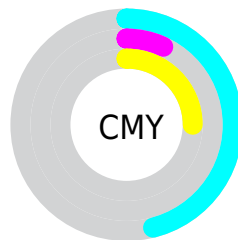
- Red (55%)
- Green (93%)
- Blue (75%)



- Red (55%)
- Yellow (80%)
- Blue (93%)



- Cyan (42%)
- Magenta (0%)
- Yellow (19%)
- Black (7%)




- Cyan (46%)
- Magenta (7%)
- Yellow (25%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 70.4438, 0.2788, 0.3871 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 70.4438, 0.2788, 0.3871 by changing the saturation by 10% instead.




 70.4438, 0.2788,  
0.3871

 70.4438, 0.2788,  
0.3871


462.1067, 0.2951,  
0.3589

 51.8884, 0.2749,  
0.3939


 119.8414, 0.2846,  
0.3771

 36.9161, 0.2701,  
0.4024


 151.4525, 0.2868,  
0.3732

 25.1426, 0.2638,  
0.4135


188.1842, 0.2887,  
0.3700

 16.1833, 0.2553,  
0.4285

230.4210, 0.2903,  
0.3672

 9.6540, 0.2434,  
0.4499

278.5472, 0.2917,  
0.3647

 5.1701, 0.2254,  
0.4827


332.9473, 0.2930,


 2.3474, 0.1955,


0.3625


0.5385

394.0057, 0.2941,  
0.3606


 0.7986, 0.0000,  
1.0000


 0.0000, 0.0000,  
0.0000

 70.4438, 0.2788,  
0.3871


 70.4438, 0.2788,  
0.3871


 68.1444, 0.2729,  
0.4042

 73.2316, 0.2859,  
0.3711


 66.2949, 0.2686,  
0.4222

 76.5267, 0.2939,  
0.3563

 64.8645, 0.2661,  
0.4406

 80.3572, 0.3024,  
0.3429

 63.8148, 0.2656,  
0.4589

 84.7466, 0.3113,  
0.3308

 63.0997, 0.2672,  
0.4768

 89.1456, 0.3182,  
0.3200

 62.6967, 0.2698,  
0.4911

 89.6324, 0.3135,  
0.3127

# Harmonies

## Analogous

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



70.4438, 0.3277, 0.4172



70.4438, 0.2788, 0.3871



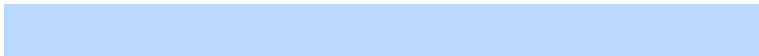
70.4438, 0.2410, 0.3380

# Triad

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



70.4438, 0.2788, 0.3871



70.4438, 0.2495, 0.2486



70.4438, 0.4123, 0.3541

# Complementary

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



70.4438, 0.2788, 0.3871



40.1415, 0.3692, 0.2783

# 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.



70.4438, 0.3884, 0.3143



70.4438, 0.2788, 0.3871



70.4438, 0.2913, 0.2562

# Square

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



70.4438, 0.2788, 0.3871



70.4438, 0.2255, 0.2598



70.4438, 0.3426, 0.2796



70.4438, 0.4066, 0.3917



# Rectangle

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



70.4438, 0.2788, 0.3871



70.4438, 0.2262, 0.3053



70.4438, 0.3426, 0.2796



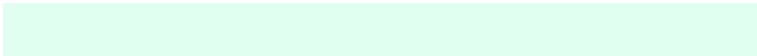
70.4438, 0.4075, 0.3407

# Sweetspot

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



70.4467, 0.2788, 0.3871



93.7694, 0.3020, 0.3434



73.3548, 0.3365, 0.4464



19.9377, 0.3009, 0.3451



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

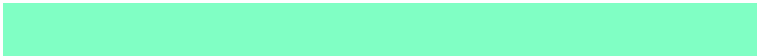


# Same Dimension

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



70.4467, 0.2788, 0.3871



80.0460, 0.2737, 0.4018



70.9092, 0.2552, 0.3249



17.7979, 0.3043, 0.3402



35.0030, 0.2690, 0.4885



2.9320, 0.2627, 0.4657



# Inverse Universe

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



40.1415, 0.3692, 0.2783



40.1441, 0.3868, 0.2685



39.4736, 0.4188, 0.3330



15.8810, 0.3220, 0.3181



10.8013, 0.5109, 0.2588

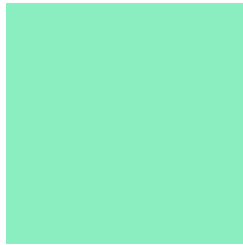


0.9185, 0.4794, 0.2415



# Previews

## White Background



This preview shows how the Yxy color 70.4438, 0.2788, 0.3871 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

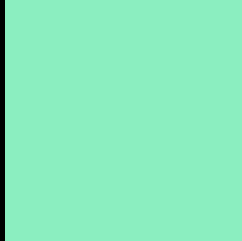
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 70.4438, 0.2788, 0.3871 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 70.4438, 0.2788, 0.3871**

## Background



This preview shows how black text looks on a background with the Yxy color 70.4438, 0.2788, 0.3871.

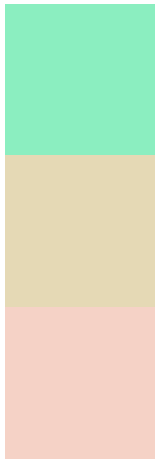


This preview shows how white text looks on a background with the Yxy color 70.4438, 0.2788, 0.3871.

# 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

70.4438, 0.2788, 0.3871

### Protanopia

69.6199, 0.3468, 0.3688

### Deuteranopia

69.5829, 0.3482, 0.3418



## Tritanopia

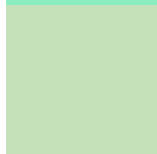
70.2055, 0.2558, 0.3068

# Trichromacy



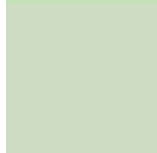
## Original Color

70.4438, 0.2788, 0.3871



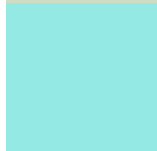
## Protanomaly

69.0890, 0.3182, 0.3761



## Deuteranomaly

68.2937, 0.3186, 0.3566



## Tritanomaly

70.1752, 0.2642, 0.3349

# Monochromacy



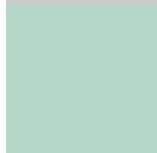
## Original Color

70.4438, 0.2788, 0.3871



## Achromatopsia

59.7202, 0.3127, 0.3290



## Achromatomaly

62.9386, 0.2983, 0.3497

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 70.4438, 0.2788, 0.3871 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(139, 238, 192)` looks like.

```
.text, #text, p{  
    color:rgb(139, 238, 192)  
}
```

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(139, 238, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 238, 192) }
```

## Border

The CSS property to change the border of an element to Yxy 70.4438, 0.2788, 0.3871 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(139, 238, 192) }
```

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

```
.border{ border-color:rgb(139, 238, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(139, 238, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 238, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 238, 192);  
box-shadow:4px 4px 4px 4px rgb(139, 238,  
192) }
```



# Background

The CSS property to change the background color of an element to Yxy 70.4438, 0.2788, 0.3871 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 238, 192) }
```

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

```
.background{ background-color: rgb(139,  
238, 192) }
```

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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