

# Converting Colors

$Yxy(72.0653, 0.2821, 0.3785)$

Have a look what the booklet for  
Yxy(72.0653, 0.2821, 0.3785)  
contains.

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**Color**

**Yxy(71.8056, 0.2820, 0.3783)**

# Conversions

## Conversions Part 1

Format	Color
Hex	97EEC6
RGB	151, 238, 198
RGB Percent	59%, 93%, 78%
CMY	0.4080, 0.0666, 0.2234
CMYK	0.37, 0.00, 0.17, 0.07
HSL	152°, 72%, 76%
HSV	152°, 37%, 93%
XYZ	53.5268, 71.8056, 64.4789
YIQ	207.4270, -39.0120, -30.8840

# Conversions

## Conversions Part 2

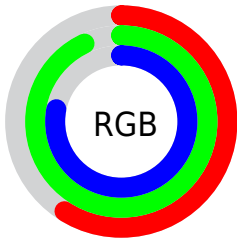
Format	Color
<a href="#">RYB</a>	<a href="#">151, 207, 238</a>
Decimal	<a href="#">9957062</a>
CIELab	<a href="#">87.87, -34.83, 11.14</a>
CIElCh	<a href="#">88, 36.573, 162.260</a>
Yxy	<a href="#">71.8056, 0.2820, 0.3783</a>
Android (android.graphics.Color)	<a href="#">4288147142 (0xFF97EEC6)</a>
YUV	<a href="#">207.4270, -4.6475, -49.4865</a>
Hunter-Lab	<a href="#">84.7382, -35.5383, 14.2018</a>

# Details

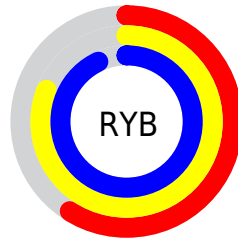
The Yxy color **71.8056, 0.2820, 0.3783** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **44.0592, 0.3604, 0.2850**, and the grayscale version is **62.7333, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.1499, 0.2849, 0.3289**, and **37.9563, 0.2745, 0.3919** is the 20% darker color. If you saturate the color by 10%, you get **69.2707, 0.2754, 0.3947**, and if you desaturate by 10%, it is **74.8424, 0.2896, 0.3631**.

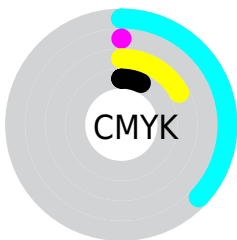
# Distribution



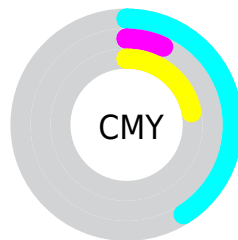
- Red (59%)
- Green (93%)
- Blue (78%)



- Red (59%)
- Yellow (81%)
- Blue (93%)



- Cyan (37%)
- Magenta (0%)
- Yellow (17%)
- Black (7%)




- Cyan (41%)
- Magenta (7%)
- Yellow (22%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 71.8056, 0.2820, 0.3783 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 71.8056, 0.2820, 0.3783 by changing the saturation by 10% instead.




 71.8056, 0.2820,  
0.3783

 71.8056, 0.2820,  
0.3783


466.8647, 0.2966,  
0.3546

 52.9999, 0.2786,  
0.3839

 121.7801, 0.2872,  
0.3699

 37.8027, 0.2742,  
0.3910


 153.7177, 0.2891,  
0.3667

 25.8296, 0.2687,  
0.4002


190.8014, 0.2908,  
0.3639

 16.6962, 0.2613,  
0.4125

233.4155, 0.2923,  
0.3616

 10.0181, 0.2510,  
0.4300

281.9445, 0.2936,  
0.3595

 5.4110, 0.2355,  
0.4564

336.7728, 0.2947,

 2.4904, 0.2102,

0.3577

398.2847, 0.2957,  
0.3561

0.5009

0.8718, 0.0000,  
0.8367

0.0000, 0.0000,  
0.0000

71.8056, 0.2820,  
0.3783

71.8056, 0.2820,  
0.3783

69.2707, 0.2754,  
0.3947

74.8424, 0.2896,  
0.3631

67.2003, 0.2702,  
0.4121


78.3986, 0.2980,  
0.3491


65.5657, 0.2667,  
0.4301


82.5013, 0.3068,  
0.3365

64.3312, 0.2652,  
0.4483


87.1735, 0.3158,  
0.3253

 63.4550, 0.2657,  
0.4663

 89.4864, 0.3149,  
0.3149

 62.8848, 0.2682,  
0.4836

 89.6344, 0.3135,  
0.3127

 62.7309, 0.2693,  
0.4893

# Harmonies

## Analogous

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



71.8056, 0.3250, 0.4051



71.8056, 0.2820, 0.3783



71.8056, 0.2487, 0.3359

# Triad

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



71.8056, 0.2820, 0.3783



71.8056, 0.2579, 0.2577



71.8056, 0.4002, 0.3530

# Complementary

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



71.8056, 0.2820, 0.3783



44.0592, 0.3604, 0.2850

# 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.



71.8056, 0.3799, 0.3175



71.8056, 0.2820, 0.3783



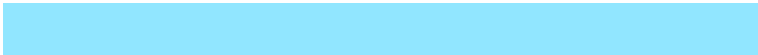
71.8056, 0.2955, 0.2648

# Square

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



71.8056, 0.2820, 0.3783



71.8056, 0.2358, 0.2676



71.8056, 0.3405, 0.2861



71.8056, 0.3947, 0.3858



# Rectangle

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



71.8056, 0.2820, 0.3783



71.8056, 0.2358, 0.3075



71.8056, 0.3405, 0.2861



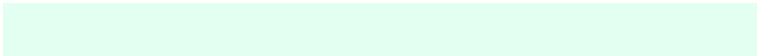
71.8056, 0.3962, 0.3411

# Sweetspot

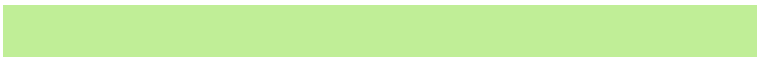
The Sweet Spot groups the original color and five complimentary colors.



71.8085, 0.2820, 0.3783



94.2605, 0.3028, 0.3420



74.5399, 0.3342, 0.4310



20.0362, 0.3016, 0.3437



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

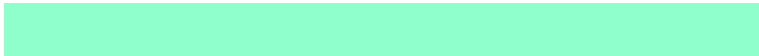


# Same Dimension

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



71.8085, 0.2820, 0.3783



81.6757, 0.2769, 0.3907



72.2276, 0.2610, 0.3254



17.7993, 0.3042, 0.3401



35.0210, 0.2685, 0.4867



2.9335, 0.2623, 0.4641



# Inverse Universe

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



44.0592, 0.3604, 0.2850



44.7552, 0.3748, 0.2759



43.4783, 0.4006, 0.3325



15.8796, 0.3221, 0.3182



10.7864, 0.5130, 0.2600

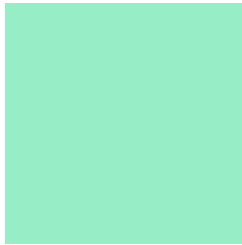


0.9172, 0.4813, 0.2425



# Previews

## White Background



This preview shows how the Yxy color 71.8056, 0.2820, 0.3783 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

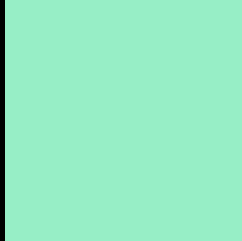
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 71.8056, 0.2820, 0.3783 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 71.8056, 0.2820, 0.3783**

## **Background**



This preview shows how black text looks on a background with the Yxy color 71.8056, 0.2820, 0.3783.

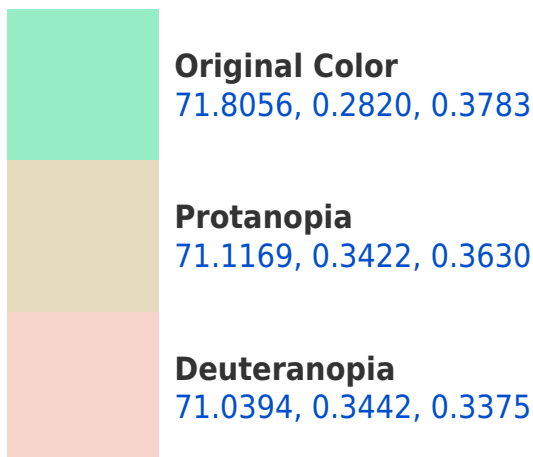


This preview shows how white text looks on a background with the Yxy color 71.8056, 0.2820, 0.3783.

# 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





## Tritanopia

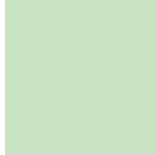
71.7779, 0.2610, 0.3083

# Trichromacy



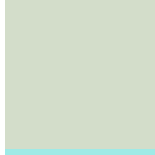
## Original Color

71.8056, 0.2820, 0.3783



## Protanomaly

70.6160, 0.3171, 0.3683



## Deuteranomaly

69.8261, 0.3181, 0.3505



## Tritanomaly

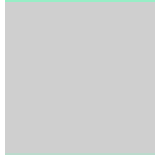
71.9297, 0.2690, 0.3336

# Monochromacy



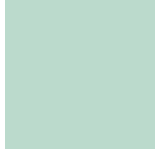
## Original Color

71.8056, 0.2820, 0.3783



## Achromatopsia

62.3960, 0.3127, 0.3290



## Achromatomaly

65.0672, 0.3000, 0.3457

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 71.8056, 0.2820, 0.3783 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(151, 238, 198)` looks like.

```
.text, #text, p{  
    color:rgb(151, 238, 198)  
}
```

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(151, 238, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 238, 198) }
```

## Border

The CSS property to change the border of an element to Yxy 71.8056, 0.2820, 0.3783 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(151, 238, 198) }
```

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

```
.border{ border-color:rgb(151, 238, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 238, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 238, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 238, 198);  
box-shadow:4px 4px 4px 4px rgb(151, 238,  
198) }
```



# Background

The CSS property to change the background color of an element to Yxy 71.8056, 0.2820, 0.3783 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 238, 198) }
```

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

```
.background{ background-color: rgb(151,  
238, 198) }
```

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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