

# Converting Colors

$Y_{xy}(71.1957, 0.2705, 0.3570)$

Have a look what the booklet for  
Yxy(71.1957, 0.2705, 0.3570)  
contains.

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# Color

**Yxy(71.4432, 0.2704, 0.3570)**

# Conversions

## Conversions Part 1

Format	Color
Hex	91EDD6
RGB	145, 237, 214
RGB Percent	57%, 93%, 84%
CMY	0.4310, 0.0706, 0.1607
CMYK	0.39, 0.00, 0.10, 0.07
HSL	165°, 72%, 75%
HSV	165°, 39%, 93%
XYZ	54.1127, 71.4432, 74.5651
YIQ	206.8700, -47.4490, -26.6570

# Conversions

## Conversions Part 2

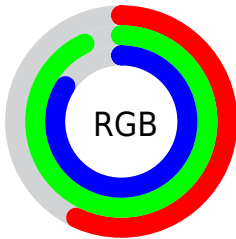
<b>Format</b>	<b>Color</b>
<b>RYB</b>	145, 198, 237
Decimal	9563606
CIELab	87.70, -32.58, 2.51
CIELCh	88, 32.675, 175.603
Yxy	71.4432, 0.2704, 0.3570
Android (android.graphics.Color)	4287753686 (0xFF91EDD6)
YUV	206.8700, 3.5151, -54.2600
Hunter-Lab	84.5241, -33.6406, 6.8627

# Details

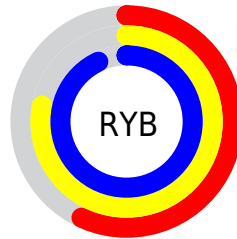
The Yxy color **71.4432, 0.2704, 0.3570** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **41.1133, 0.3847, 0.3034**, and the grayscale version is **62.3244, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.2966, 0.2816, 0.3289**, and **37.6748, 0.2606, 0.3650** is the 20% darker color. If you saturate the color by 10%, you get **69.2140, 0.2621, 0.3656**, and if you desaturate by 10%, it is **74.1383, 0.2801, 0.3489**.

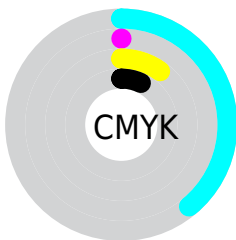
# Distribution



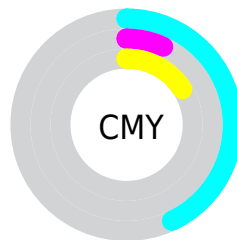
- Red (57%)
- Green (93%)
- Blue (84%)



- Red (57%)
- Yellow (78%)
- Blue (93%)



- Cyan (39%)
- Magenta (0%)
- Yellow (10%)
- Black (7%)




- Cyan (43%)
- Magenta (7%)
- Yellow (16%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 71.4432, 0.2704, 0.3570 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 71.4432, 0.2704, 0.3570 by changing the saturation by 10% instead.





 71.4432, 0.2704,  
0.3570


 71.4432, 0.2704,  
0.3570


465.6013, 0.2901,  
0.3439

 52.7040, 0.2659,  
0.3600


 121.2646, 0.2772,  
0.3524

 37.5665, 0.2603,  
0.3638


 153.1155, 0.2799,  
0.3506

 25.6464, 0.2533,  
0.3686


190.1058, 0.2822,  
0.3491

 16.5593, 0.2440,  
0.3750

232.6198, 0.2842,  
0.3478

 9.9208, 0.2314,  
0.3838

281.0420, 0.2859,  
0.3466

 5.3465, 0.2132,  
0.3966


335.7567, 0.2874,

 2.4519, 0.1850,


0.3456


0.4171


397.1483, 0.2888,  
0.3447


 0.8524, 0.0092,  
0.5261


 0.0000, 0.0000,  
0.0000


 71.4432, 0.2704,  
0.3570


 71.4432, 0.2704,  
0.3570

 69.2140, 0.2621,  
0.3656


 74.1383, 0.2801,  
0.3489


 67.4137, 0.2554,  
0.3746


 77.3165, 0.2908,  
0.3414


 66.0140, 0.2506,  
0.3839


 81.0045, 0.3022,  
0.3345

 64.9789, 0.2478,  
0.3933

 85.2245, 0.3142,  
0.3283

 64.2663, 0.2470,  
0.4027

 88.3313, 0.3206,  
0.3226

 63.8134, 0.2479,  
0.4120

 88.6964, 0.3169,  
0.3168

 63.7654, 0.2481,  
0.4132

 89.0416, 0.3135,  
0.3117

# Harmonies

## Analogous

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



71.4432, 0.3064, 0.3885



71.4432, 0.2704, 0.3570



71.4432, 0.2465, 0.3182

# Triad

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



71.4432, 0.2704, 0.3570



71.4432, 0.2772, 0.2657



71.4432, 0.3917, 0.3650

# Complementary

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



71.4432, 0.2704, 0.3570



41.1133, 0.3847, 0.3034

# 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.



71.4432, 0.3835, 0.3331



71.4432, 0.2704, 0.3570



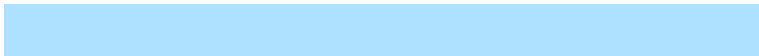
71.4432, 0.3152, 0.2782

# Square

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



71.4432, 0.2704, 0.3570



71.4432, 0.2503, 0.2678



71.4432, 0.3547, 0.3022



71.4432, 0.3773, 0.3903

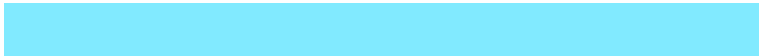


# Rectangle

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



71.4432, 0.2704, 0.3570



71.4432, 0.2398, 0.2954



71.4432, 0.3547, 0.3022



71.4432, 0.3915, 0.3547

# Sweetspot

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



71.4461, 0.2704, 0.3570



94.1683, 0.2984, 0.3367



71.1107, 0.3227, 0.4422



20.0318, 0.2969, 0.3376



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

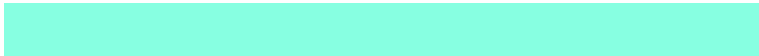


# Same Dimension

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



71.4461, 0.2704, 0.3570



82.1216, 0.2633, 0.3642



61.0225, 0.2550, 0.3027



17.0538, 0.3014, 0.3350



34.8396, 0.2477, 0.4116



2.7509, 0.2441, 0.3987



# Inverse Universe

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



41.1133, 0.3847, 0.3034



41.3506, 0.4089, 0.2981



47.5189, 0.3999, 0.3534



15.1158, 0.3254, 0.3231



10.0213, 0.5927, 0.3038

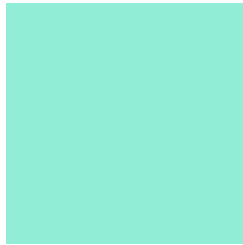


0.8019, 0.5536, 0.2823



# Previews

## White Background



This preview shows how the Yxy color 71.4432, 0.2704, 0.3570 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

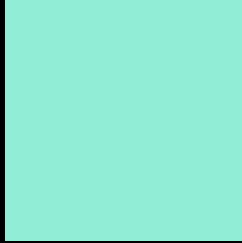
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 71.4432, 0.2704, 0.3570 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

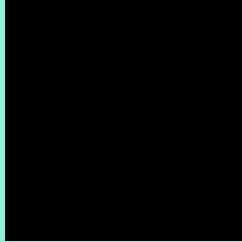
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

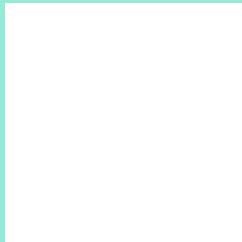
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 71.4432, 0.2704, 0.3570**

## **Background**



This preview shows how black text looks on a background with the Yxy color 71.4432, 0.2704, 0.3570.

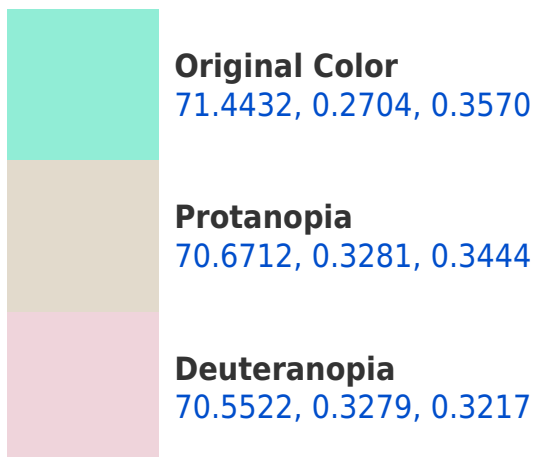


This preview shows how white text looks on a background with the Yxy color 71.4432, 0.2704, 0.3570.

# 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

71.4854, 0.2562, 0.3081

# Trichromacy



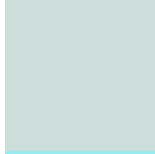
## Original Color

71.4432, 0.2704, 0.3570



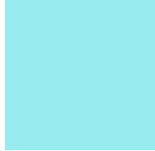
## Protanomaly

70.2748, 0.3042, 0.3486



## Deuteranomaly

69.7018, 0.3041, 0.3335



## Tritanomaly

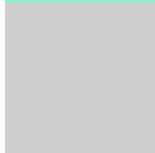
71.5394, 0.2613, 0.3253

# Monochromacy



## Original Color

71.4432, 0.2704, 0.3570



## Achromatopsia

62.3960, 0.3127, 0.3290



## Achromatomaly

64.9863, 0.2941, 0.3385

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 71.4432, 0.2704, 0.3570 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(145, 237, 214)` looks like.

```
.text, #text, p{  
    color:rgb(145, 237, 214)  
}
```

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(145, 237, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 237, 214) }
```

## Border

The CSS property to change the border of an element to Yxy 71.4432, 0.2704, 0.3570 is called "border". The border property can be set on classes, ids or directly on the HTML element.

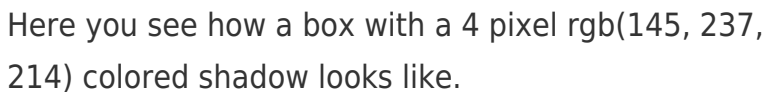
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(145, 237, 214) }
```

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

```
.border{ border-color:rgb(145, 237, 214) }
```

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



Here you see how a box with a 4 pixel `rgb(145, 237, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(145, 237, 214); -webkit-box-shadow:4px 4px 4px 4px rgb(145, 237, 214); box-shadow:4px 4px 4px 4px rgb(145, 237, 214) }
```



# Background

The CSS property to change the background color of an element to Yxy 71.4432, 0.2704, 0.3570 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 237, 214) }
```

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

```
.background{ background-color: rgb(145,  
237, 214) }
```

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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