

# Converting Colors

$Yxy(71.7706, 0.2714, 0.3557)$

Have a look what the booklet for  
Yxy(71.7706, 0.2714, 0.3557)  
contains.

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# Color

**Yxy(71.7706, 0.2714, 0.3557)**

# Conversions

## Conversions Part 1

Format	Color
Hex	94EDD7
RGB	148, 237, 215
RGB Percent	58%, 93%, 84%
CMY	0.4196, 0.0706, 0.1569
CMYK	0.38, 0.00, 0.09, 0.07
HSL	165°, 71%, 75%
HSV	165°, 38%, 93%
XYZ	54.7611, 71.7706, 75.2411
YIQ	207.8810, -45.9820, -25.7100

# Conversions

## Conversions Part 2

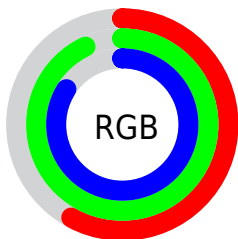
Format	Color
<b>RYB</b>	148, 199, 237
Decimal	9760215
CIELab	87.86, -31.61, 2.25
CIELCh	88, 31.691, 175.934
Yxy	71.7706, 0.2714, 0.3557
Android (android.graphics.Color)	4287950295 (0xFF94EDD7)
YUV	207.8810, 3.5097, -52.5156
Hunter-Lab	84.7175, -32.8738, 6.6444

# Details

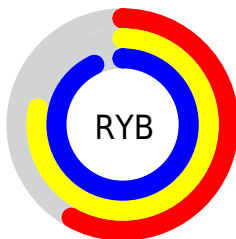
The Yxy color **71.7706, 0.2714, 0.3557** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **42.0919, 0.3817, 0.3044**, and the grayscale version is **62.9964, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.7191, 0.2833, 0.3289**, and **37.8611, 0.2617, 0.3631** is the 20% darker color. If you saturate the color by 10%, you get **69.4887, 0.2629, 0.3642**, and if you desaturate by 10%, it is **74.5216, 0.2812, 0.3478**.

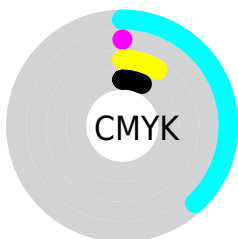
# Distribution



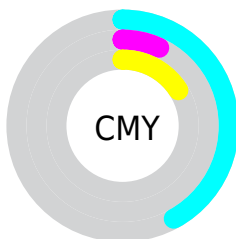
- Red (58%)
- Green (93%)
- Blue (84%)



- Red (58%)
- Yellow (78%)
- Blue (93%)



- Cyan (38%)
- Magenta (0%)
- Yellow (9%)
- Black (7%)




- Cyan (42%)
- Magenta (7%)
- Yellow (16%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 71.7706, 0.2714, 0.3557 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 71.7706, 0.2714, 0.3557 by changing the saturation by 10% instead.




 71.7706, 0.2714,  
0.3557


 71.7706, 0.2714,  
0.3557


466.7427, 0.2906,  
0.3432

 52.9713, 0.2670,  
0.3586


 121.7303, 0.2781,  
0.3513

 37.7799, 0.2616,  
0.3622

 153.6595, 0.2806,  
0.3497

 25.8119, 0.2547,  
0.3667


190.7342, 0.2829,  
0.3482

 16.6830, 0.2457,  
0.3728

233.3387, 0.2848,  
0.3469

 10.0087, 0.2335,  
0.3810

281.8574, 0.2865,  
0.3458

 5.4047, 0.2158,  
0.3931

336.6747, 0.2880,

 2.4866, 0.1884,

0.3449

398.1750, 0.2894,  
0.3440

0.4124

0.8699, 0.0322,  
0.5072

0.0000, 0.0000,  
0.0000

71.7706, 0.2714,  
0.3557

71.7706, 0.2714,  
0.3557

69.4887, 0.2629,  
0.3642

74.5216, 0.2812,  
0.3478

67.6392, 0.2560,  
0.3730


77.7585, 0.2921,  
0.3404


66.1941, 0.2509,  
0.3822

81.5078, 0.3037,  
0.3337

65.1183, 0.2479,  
0.3915

85.7918, 0.3157,  
0.3276


 64.3704, 0.2468,  
0.4008

 88.3819, 0.3202,  
0.3219

 63.8954, 0.2475,  
0.4100

 88.7446, 0.3165,  
0.3163

 63.7997, 0.2479,  
0.4123

 89.0515, 0.3135,  
0.3117

# Harmonies

## Analogous

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



71.7706, 0.3063, 0.3863



71.7706, 0.2714, 0.3557



71.7706, 0.2483, 0.3183

# Triad

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



71.7706, 0.2714, 0.3557



71.7706, 0.2787, 0.2676



71.7706, 0.3891, 0.3643

# Complementary

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



71.7706, 0.2714, 0.3557



42.0919, 0.3817, 0.3044

# 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.



71.7706, 0.3814, 0.3335



71.7706, 0.2714, 0.3557



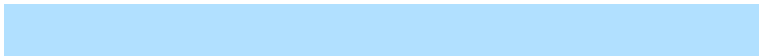
71.7706, 0.3156, 0.2798

# Square

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



71.7706, 0.2714, 0.3557



71.7706, 0.2524, 0.2696



71.7706, 0.3538, 0.3033



71.7706, 0.3750, 0.3887

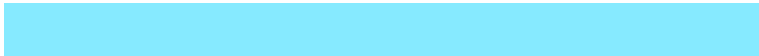


# Rectangle

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



71.7706, 0.2714, 0.3557



71.7706, 0.2420, 0.2962



71.7706, 0.3538, 0.3033



71.7706, 0.3891, 0.3544

# Sweetspot

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



71.7735, 0.2714, 0.3557



94.6236, 0.2996, 0.3359



71.2848, 0.3215, 0.4385



20.1229, 0.2980, 0.3368



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

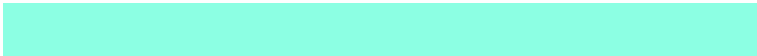


# Same Dimension

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



71.7735, 0.2714, 0.3557



82.6411, 0.2648, 0.3621



60.8885, 0.2564, 0.3018



17.0545, 0.3014, 0.3349



34.8525, 0.2474, 0.4108



2.7519, 0.2439, 0.3980



# Inverse Universe

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



42.0919, 0.3817, 0.3044



42.9408, 0.4031, 0.2996



48.9903, 0.3955, 0.3543



15.1152, 0.3254, 0.3232



10.0178, 0.5934, 0.3043

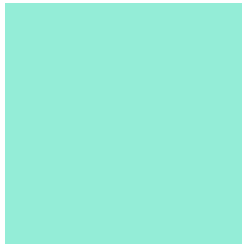


0.8016, 0.5545, 0.2828



# Previews

## White Background



This preview shows how the Yxy color 71.7706, 0.2714, 0.3557 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

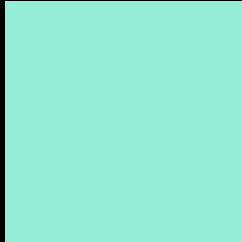
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 71.7706, 0.2714, 0.3557 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

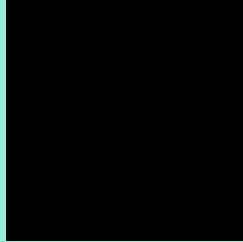
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

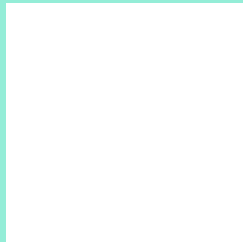
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 71.7706, 0.2714, 0.3557**

## **Background**



This preview shows how black text looks on a background with the Yxy color 71.7706, 0.2714, 0.3557.

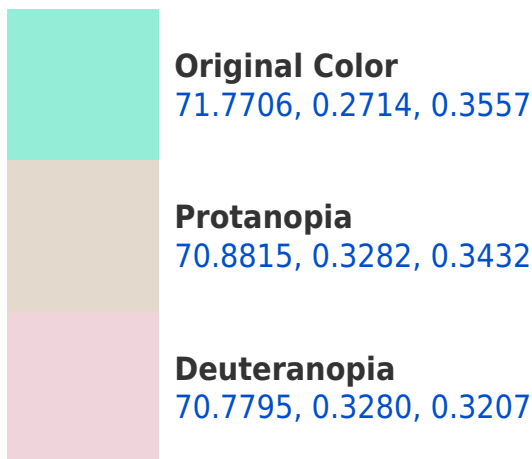


This preview shows how white text looks on a background with the Yxy color 71.7706, 0.2714, 0.3557.

# 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

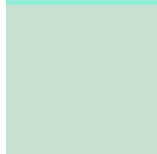
71.7835, 0.2577, 0.3082

# Trichromacy



## Original Color

71.7706, 0.2714, 0.3557



## Protanomaly

70.4596, 0.3043, 0.3473



## Deuteranomaly

70.0403, 0.3048, 0.3323



## Tritanomaly

71.8301, 0.2629, 0.3253

# Monochromacy



## Original Color

71.7706, 0.2714, 0.3557



## Achromatopsia

63.0757, 0.3127, 0.3290



## Achromatomaly

65.8053, 0.2949, 0.3384

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 71.7706, 0.2714, 0.3557 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(148, 237, 215)` looks like.

```
.text, #text, p{  
    color:rgb(148, 237, 215)  
}
```

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(148, 237, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 237, 215) }
```

## Border

The CSS property to change the border of an element to Yxy 71.7706, 0.2714, 0.3557 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(148, 237, 215) }
```

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

```
.border{ border-color:rgb(148, 237, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 237, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 237, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 237, 215);  
box-shadow:4px 4px 4px 4px rgb(148, 237,  
215) }
```



# Background

The CSS property to change the background color of an element to Yxy 71.7706, 0.2714, 0.3557 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 237, 215) }
```

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

```
.background{ background-color: rgb(148,  
237, 215) }
```

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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