

# Converting Colors

$Yxy(71.1488, 0.2608, 0.2985)$

Have a look what the booklet for  
Yxy(71.1488, 0.2608, 0.2985)  
contains.

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# Color

**Yxy(71.1418, 0.2608, 0.2985)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A9E4FF
RGB	169, 228, 255
RGB Percent	66%, 89%, 100%
CMY	0.3371, 0.1059, 0.0001
CMYK	0.34, 0.11, 0.00, 0.00
HSL	199°, 100%, 83%
HSV	199°, 34%, 100%
XYZ	62.1567, 71.1418, 105.0325
YIQ	213.4370, -43.8310, -4.1110

# Conversions

## Conversions Part 2

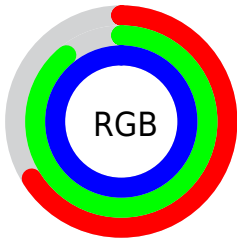
Format	Color
<a href="#">RYB</a>	<a href="#">169, 204, 255</a>
Decimal	<a href="#">11134207</a>
CIELab	<a href="#">87.55, -12.36, -19.07</a>
CIElCh	<a href="#">88, 22.725, 237.064</a>
Yxy	<a href="#">71.1418, 0.2608, 0.2985</a>
Android (android.graphics.Color)	<a href="#">4289324287</a> ( <a href="#">0xFFA9E4FF</a> )
YUV	<a href="#">213.4370, 20.4906, -38.9712</a>
Hunter-Lab	<a href="#">84.3456, -16.0630, -14.7897</a>

# Details

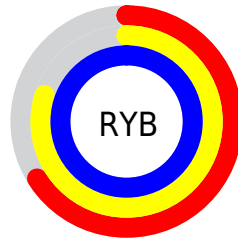
The Yxy color **71.1418, 0.2608, 0.2985** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **63.6013, 0.3828, 0.3574**, and the grayscale version is **66.7351, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.9088, 0.2952, 0.3289**, and **37.5418, 0.2494, 0.2919** is the 20% darker color. If you saturate the color by 10%, you get **64.2924, 0.2464, 0.2877**, and if you desaturate by 10%, it is **78.7503, 0.2759, 0.3085**.

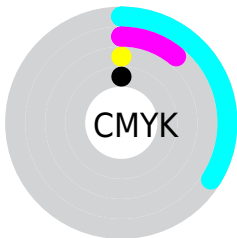
# Distribution



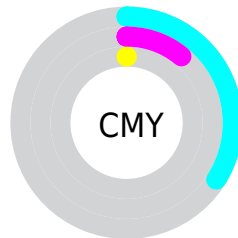
- Red (66%)
- Green (89%)
- Blue (100%)



- Red (66%)
- Yellow (80%)
- Blue (100%)



- Cyan (34%)
- Magenta (11%)
- Yellow (0%)
- Black (0%)



- Cyan (34%)
- Magenta (11%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 71.1418, 0.2608, 0.2985 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 71.1418, 0.2608, 0.2985 by changing the saturation by 10% instead.



71.1418, 0.2608,  
0.2985

71.1418, 0.2608,  
0.2985

464.5490, 0.2844,  
0.3130

52.4579, 0.2555,  
0.2951

120.8356, 0.2689,  
0.3036

37.3702, 0.2490,  
0.2909

152.6143, 0.2721,  
0.3055

25.4943, 0.2409,  
0.2856

189.5268, 0.2748,  
0.3072

16.4457, 0.2305,  
0.2786

231.9574, 0.2773,  
0.3087

9.8401, 0.2167,  
0.2689

280.2905, 0.2794,  
0.3099

5.2930, 0.1976,  
0.2550

334.9106, 0.2813,

2.4202, 0.1696,

0.3111

0.2333

396.2019, 0.2829,  
0.3121

0.8363, 0.1168,  
0.1980

0.0000, 0.0000,  
0.0000

71.1418, 0.2608,  
0.2985

71.1418, 0.2608,  
0.2985

64.2924, 0.2464,  
0.2877

78.7503, 0.2759,  
0.3085

58.1591, 0.2332,  
0.2764

87.1418, 0.2914,  
0.3177

52.7063, 0.2214,  
0.2645

96.3490, 0.3070,  
0.3261

47.8914, 0.2114,  
0.2525

99.9977, 0.3127,  
0.3290

■ 43.6654, 0.2034,  
0.2403

■ 39.9689, 0.1976,  
0.2284

■ 37.8600, 0.1947,  
0.2209

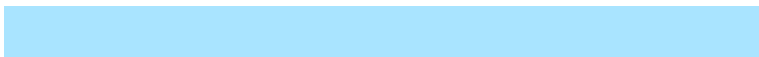
# Harmonies

## Analogous

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



71.1418, 0.2654, 0.3209



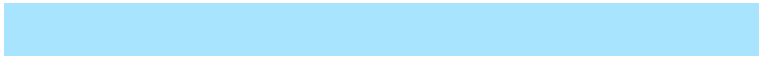
71.1418, 0.2608, 0.2985



71.1418, 0.2693, 0.2855

# Triad

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



71.1418, 0.2608, 0.2985



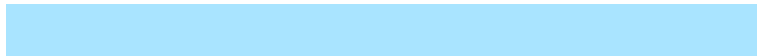
71.1418, 0.3433, 0.3112



71.1418, 0.3350, 0.3781

# Complementary

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



71.1418, 0.2608, 0.2985



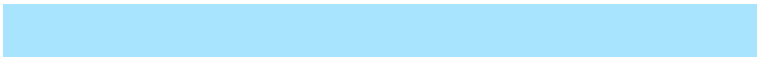
63.6013, 0.3828, 0.3574

# 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.



71.1418, 0.3572, 0.3728



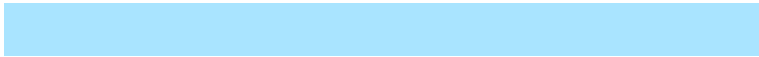
71.1418, 0.2608, 0.2985



71.1418, 0.3624, 0.3338

# Square

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



71.1418, 0.2608, 0.2985



71.1418, 0.3161, 0.2934



71.1418, 0.3675, 0.3562

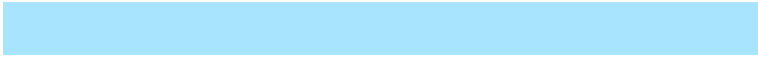


71.1418, 0.3075, 0.3688



# Rectangle

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



71.1418, 0.2608, 0.2985



71.1418, 0.2815, 0.2833



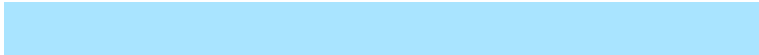
71.1418, 0.3675, 0.3562



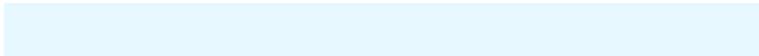
71.1418, 0.3433, 0.3779

# Sweetspot

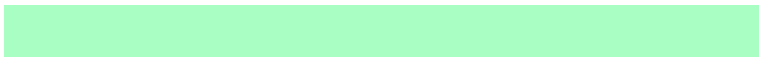
The Sweet Spot groups the original color and five complimentary colors.



71.1446, 0.2608, 0.2985



90.4806, 0.2972, 0.3209



83.8689, 0.2946, 0.3989



19.0945, 0.2950, 0.3197



0.0000, 0.0000, 0.0000

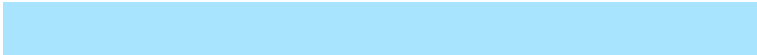


21.4041, 0.3127, 0.3290

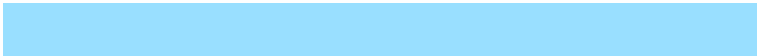


# Same Dimension

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



71.1446, 0.2608, 0.2985



66.7631, 0.2516, 0.2918



50.8702, 0.2543, 0.2487



19.4633, 0.2980, 0.3214



20.0681, 0.1953, 0.2229



2.1497, 0.1990, 0.2364



# Inverse Universe

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



55.2459, 0.3385, 0.2694



49.3697, 0.3450, 0.2582



85.1404, 0.3689, 0.3981



18.1976, 0.3186, 0.3128



12.7539, 0.4201, 0.2088

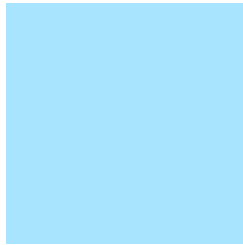


1.2616, 0.4060, 0.2010



# Previews

## White Background



This preview shows how the Yxy color 71.1418, 0.2608, 0.2985 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

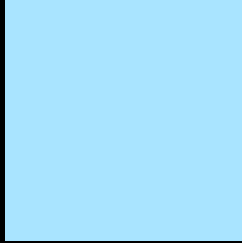
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 71.1418, 0.2608, 0.2985 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

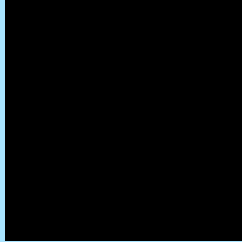
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 71.1418, 0.2608, 0.2985**

## **Background**



This preview shows how black text looks on a background with the Yxy color 71.1418, 0.2608, 0.2985.

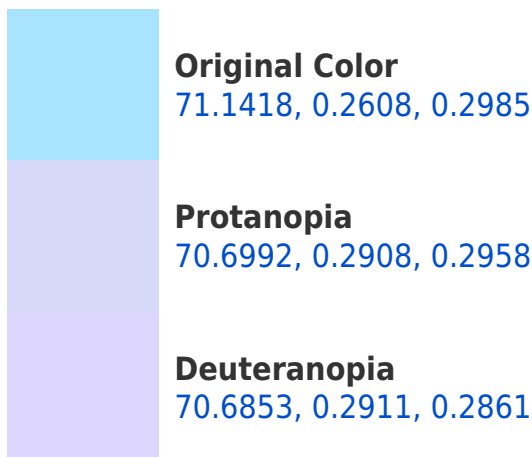


This preview shows how white text looks on a background with the Yxy color 71.1418, 0.2608, 0.2985.

# 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

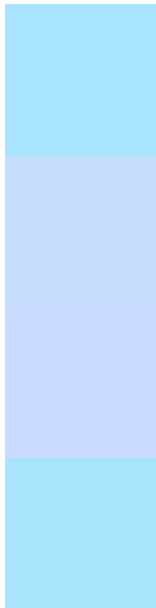




## Tritanopia

71.0314, 0.2634, 0.3072

# Trichromacy



**Original Color**

71.1418, 0.2608, 0.2985

**Protanomaly**

70.6837, 0.2789, 0.2962

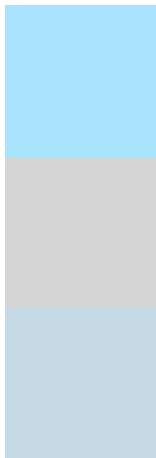
**Deuteranomaly**

70.4396, 0.2790, 0.2901

**Tritanomaly**

71.3285, 0.2624, 0.3039

# Monochromacy



**Original Color**

71.1418, 0.2608, 0.2985

**Achromatopsia**

66.5387, 0.3127, 0.3290

**Achromatomaly**

67.6146, 0.2917, 0.3176

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 71.1418, 0.2608, 0.2985 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(169, 228, 255)` looks like.

```
.text, #text, p{  
    color:rgb(169, 228, 255)  
}
```

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(169, 228, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 228, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 71.1418, 0.2608, 0.2985 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(169, 228, 255) }
```

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

```
.border{ border-color:rgb(169, 228, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 228, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 228, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 228, 255);  
box-shadow:4px 4px 4px 4px rgb(169, 228,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 71.1418, 0.2608, 0.2985 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 228, 255) }
```

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

```
.background{ background-color: rgb(169,  
228, 255) }
```

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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