

Converting Colors

$Yxy(77.5822, 0.2261, 0.2314)$

Have a look what the booklet for
Yxy(77.5822, 0.2261, 0.2314)
contains.

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Color

Yxy(71.9489, 0.2571, 0.3016)

Conversions

Conversions Part 1

Format	Color
Hex	A1E7FF
RGB	161, 231, 255
RGB Percent	63%, 91%, 100%
CMY	0.3684, 0.0941, 0.0000
CMYK	0.37, 0.09, 0.00, 0.00
HSL	195°, 100%, 82%
HSV	195°, 37%, 100%
XYZ	61.3331, 71.9489, 105.2754
YIQ	212.8060, -49.4240, -7.3760

Conversions

Conversions Part 2

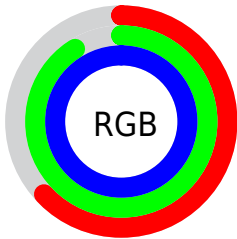
Format	Color
R _Y B	161, 201, 255
Decimal	10610687
CIE Lab	87.94, -15.96, -18.55
CIE LCh	88, 24.475, 229.290
Yxy	71.9489, 0.2571, 0.3016
Android (android.graphics.Color)	4288800767 (0xFFA1E7FF)
YUV	212.8060, 20.8016, -45.4339
Hunter-Lab	84.8227, -19.3710, -14.2103

Details

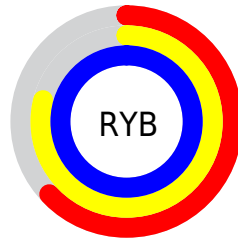
The Yxy color **71.9489, 0.2571, 0.3016** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **58.5580, 0.3937, 0.3544**, and the grayscale version is **66.2942, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.8001, 0.2911, 0.3289**, and **37.7404, 0.2446, 0.2945** is the 20% darker color. If you saturate the color by 10%, you get **65.9851, 0.2437, 0.2928**, and if you desaturate by 10%, it is **78.5923, 0.2715, 0.3099**.

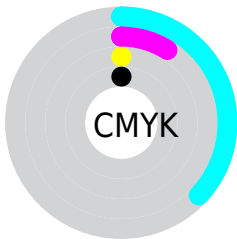
Distribution



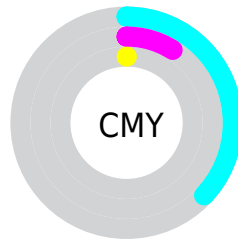
- Red (63%)
- Green (91%)
- Blue (100%)



- Red (63%)
- Yellow (79%)
- Blue (100%)



- Cyan (37%)
- Magenta (9%)
- Yellow (0%)
- Black (0%)





- Cyan (37%)
- Magenta (9%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 71.9489, 0.2571, 0.3016 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 71.9489, 0.2571, 0.3016 by changing the saturation by 10% instead.


 71.9489, 0.2571,
0.3016

 71.9489, 0.2571,
0.3016


467.3637, 0.2823,
0.3147

 53.1169, 0.2515,
0.2985

 121.9839, 0.2657,
0.3062

 37.8961, 0.2446,
0.2947


 153.9557, 0.2691,
0.3080

 25.9021, 0.2360,
0.2897


191.0762, 0.2721,
0.3095

 16.7504, 0.2251,
0.2832

233.7299, 0.2746,
0.3108

 10.0567, 0.2105,
0.2742

282.3011, 0.2769,
0.3120

 5.4366, 0.1905,
0.2611

337.1742, 0.2789,

 2.5056, 0.1616,

0.3130

0.2404

398.7336, 0.2807,
0.3139

0.8794, 0.1052,
0.2074

0.0000, 0.0000,
0.0000

71.9489, 0.2571,
0.3016

71.9489, 0.2571,
0.3016

65.9851, 0.2437,
0.2928

78.5923, 0.2715,
0.3099

60.6610, 0.2316,
0.2836

85.9417, 0.2867,
0.3176

55.9404, 0.2212,
0.2740

94.0282, 0.3021,
0.3246

51.7800, 0.2128,
0.2644

100.0000, 0.3127,
0.3290

■ 48.1296, 0.2063,
0.2547

■ 44.9258, 0.2018,
0.2452

■ 43.9771, 0.2006,
0.2422

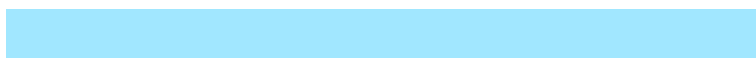
Harmonies

Analogous

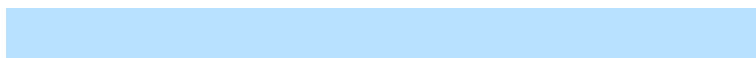
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



71.9489, 0.2655, 0.3275



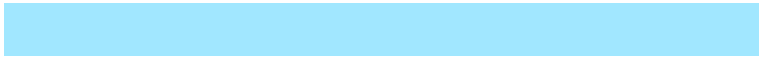
71.9489, 0.2571, 0.3016



71.9489, 0.2626, 0.2849

Triad

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



71.9489, 0.2571, 0.3016



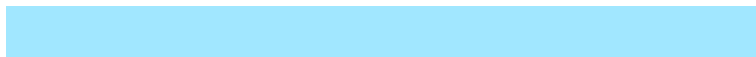
71.9489, 0.3384, 0.3043



71.9489, 0.3435, 0.3817

Complementary

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



71.9489, 0.2571, 0.3016



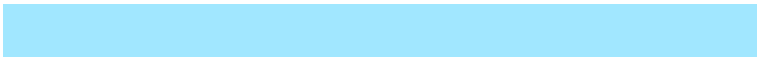
58.5580, 0.3937, 0.3544

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.



71.9489, 0.3647, 0.3722



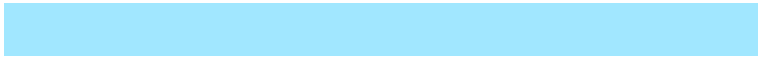
71.9489, 0.2571, 0.3016



71.9489, 0.3620, 0.3275

Square

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



71.9489, 0.2571, 0.3016



71.9489, 0.3085, 0.2874



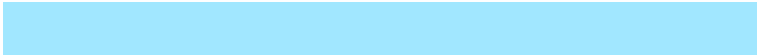
71.9489, 0.3717, 0.3521



71.9489, 0.3147, 0.3759

Rectangle

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



71.9489, 0.2571, 0.3016



71.9489, 0.2736, 0.2804



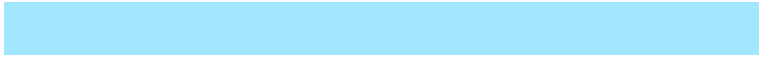
71.9489, 0.3717, 0.3521



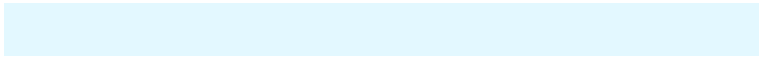
71.9489, 0.3518, 0.3801

Sweetspot

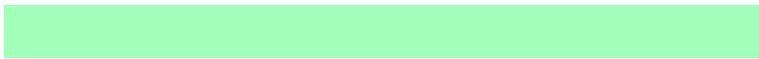
The Sweet Spot groups the original color and five complimentary colors.



71.9507, 0.2571, 0.3016



90.5745, 0.2957, 0.3217



82.5859, 0.2955, 0.4125



19.1517, 0.2936, 0.3208



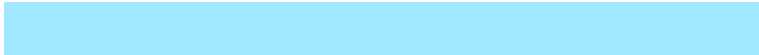
0.0000, 0.0000, 0.0000



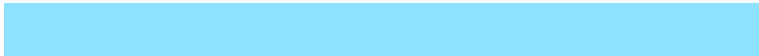
21.4041, 0.3127, 0.3290

Same Dimension

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



71.9507, 0.2571, 0.3016



67.6137, 0.2474, 0.2954



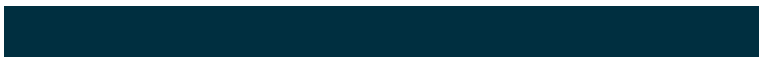
49.3082, 0.2490, 0.2455



19.6493, 0.2980, 0.3228



23.2316, 0.2011, 0.2438



2.4373, 0.2041, 0.2546

Inverse Universe

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



52.5374, 0.3369, 0.2587



46.3540, 0.3431, 0.2454



81.2746, 0.3762, 0.4002



18.2164, 0.3177, 0.3115



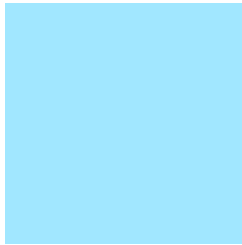
13.0732, 0.3985, 0.1969



1.2906, 0.3876, 0.1909

Previews

White Background



This preview shows how the Yxy color 71.9489, 0.2571, 0.3016 looks on a white background.

Color Contrast Check

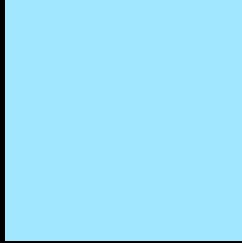
Large Text (above 18pt) WCAG AA × Fail

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 71.9489, 0.2571, 0.3016 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

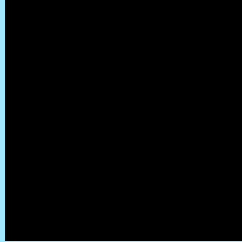
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 71.9489, 0.2571, 0.3016

Background



This preview shows how black text looks on a background with the Yxy color 71.9489, 0.2571, 0.3016.

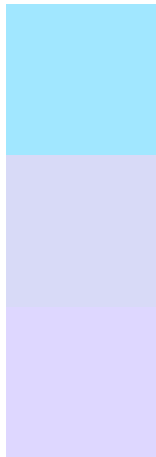


This preview shows how white text looks on a background with the Yxy color 71.9489, 0.2571, 0.3016.

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

71.9489, 0.2571, 0.3016

Protanopia

71.4571, 0.2927, 0.2981

Deuteranopia

71.3505, 0.2918, 0.2873



Tritanopia

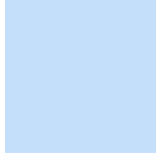
72.0889, 0.2592, 0.3083

Trichromacy



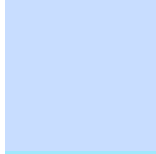
Original Color

71.9489, 0.2571, 0.3016



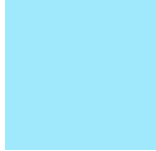
Protanomaly

71.4132, 0.2784, 0.2994



Deuteranomaly

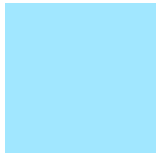
71.2123, 0.2779, 0.2922



Tritanomaly

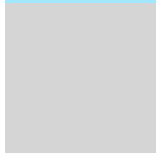
72.2151, 0.2582, 0.3060

Monochromacy



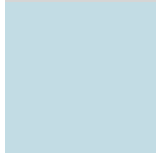
Original Color

71.9489, 0.2571, 0.3016



Achromatopsia

66.5387, 0.3127, 0.3290



Achromatomaly

68.2572, 0.2898, 0.3198

CSS Examples

Text

The CSS property to change the color of the text to Yxy 71.9489, 0.2571, 0.3016 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(161, 231, 255)` looks like.

```
.text, #text, p{  
    color:rgb(161, 231, 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(161, 231, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 231, 255) }
```

Border

The CSS property to change the border of an element to Yxy 71.9489, 0.2571, 0.3016 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(161, 231, 255) }
```

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

```
.border{ border-color:rgb(161, 231, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 231, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 231, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 231, 255);  
box-shadow:4px 4px 4px 4px rgb(161, 231,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 71.9489, 0.2571, 0.3016 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 231, 255) }
```

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

```
.background{ background-color: rgb(161,  
231, 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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