

Converting Colors

$Yxy(70.4418, 0.2565, 0.2985)$

Have a look what the booklet for
Yxy(70.4418, 0.2565, 0.2985)
contains.

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Color

Yxy(70.2839, 0.2566, 0.2981)

Conversions

Conversions Part 1

Format	Color
Hex	A1E4FF
RGB	161, 228, 255
RGB Percent	63%, 89%, 100%
CMY	0.3684, 0.1059, 0.0000
CMYK	0.37, 0.11, 0.00, 0.00
HSL	197°, 100%, 82%
HSV	197°, 37%, 100%
XYZ	60.4993, 70.2839, 104.9897
YIQ	211.0450, -48.5990, -5.8070

Conversions

Conversions Part 2

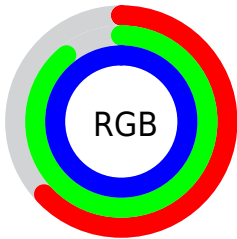
Format	Color
RYB	161, 200, 255
Decimal	10609919
CIELab	87.14, -14.45, -19.77
CIELCh	87, 24.483, 233.838
Yxy	70.2839, 0.2566, 0.2981
Android (android.graphics.Color)	4288799999 (0xFFA1E4FF)
YUV	211.0450, 21.6698, -43.8895
Hunter-Lab	83.8355, -17.8988, -15.5658

Details

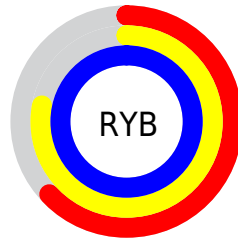
The Yxy color **70.2839, 0.2566, 0.2981** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **59.8266, 0.3925, 0.3575**, and the grayscale version is **65.0589, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.6454, 0.2906, 0.3289**, and **36.9676, 0.2441, 0.2914** is the 20% darker color. If you saturate the color by 10%, you get **63.9526, 0.2428, 0.2881**, and if you desaturate by 10%, it is **77.3311, 0.2713, 0.3075**.

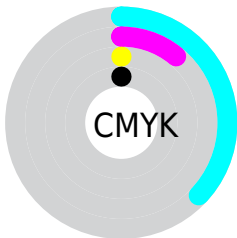
Distribution



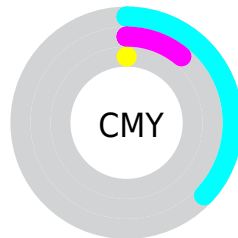
- Red (63%)
- Green (89%)
- Blue (100%)



- Red (63%)
- Yellow (78%)
- Blue (100%)



- Cyan (37%)
- Magenta (11%)
- Yellow (0%)
- Black (0%)





- Cyan (37%)
- Magenta (11%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 70.2839, 0.2566, 0.2981 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 70.2839, 0.2566, 0.2981 by changing the saturation by 10% instead.

 70.2839, 0.2566,
0.2981


 70.2839, 0.2566,
0.2981

461.5462, 0.2822,
0.3129

 51.7580, 0.2509,
0.2946


 119.6135, 0.2654,
0.3033

 36.8122, 0.2439,
0.2903


 151.1861, 0.2688,
0.3053

 25.0621, 0.2352,
0.2848


187.8763, 0.2718,
0.3070

 16.1234, 0.2240,
0.2775

230.0685, 0.2744,
0.3085

 9.6115, 0.2091,
0.2675

278.1473, 0.2767,
0.3098

 5.1421, 0.1886,
0.2529

332.4969, 0.2787,

 2.3309, 0.1588,

0.3109

0.2301

393.5017, 0.2805,
0.3120

0.7900, 0.0976,
0.1937

0.0000, 0.0000,
0.0000

70.2839, 0.2566,
0.2981

70.2839, 0.2566,
0.2981

63.9526, 0.2428,
0.2881

77.3311, 0.2713,
0.3075

58.2951, 0.2303,
0.2776

85.1195, 0.2866,
0.3161

53.2749, 0.2195,
0.2668

93.6815, 0.3021,
0.3240

48.8483, 0.2105,
0.2558

100.0000, 0.3127,
0.3290

■ 44.9642, 0.2036,
0.2448

■ 41.5585, 0.1987,
0.2340

■ 40.5526, 0.1974,
0.2306

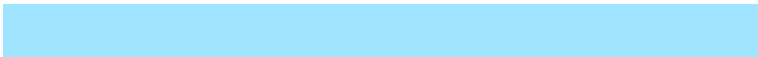
Harmonies

Analogous

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



70.2839, 0.2630, 0.3231



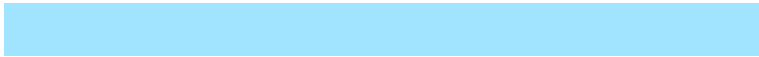
70.2839, 0.2566, 0.2981



70.2839, 0.2642, 0.2830

Triad

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



70.2839, 0.2566, 0.2981



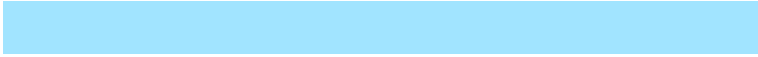
70.2839, 0.3428, 0.3074



70.2839, 0.3397, 0.3823

Complementary

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



70.2839, 0.2566, 0.2981



59.8266, 0.3925, 0.3575

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.



70.2839, 0.3627, 0.3749



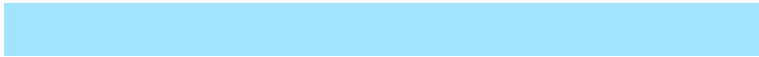
70.2839, 0.2566, 0.2981



70.2839, 0.3649, 0.3313

Square

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



70.2839, 0.2566, 0.2981



70.2839, 0.3131, 0.2891



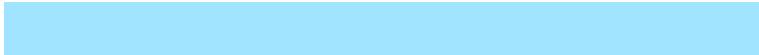
70.2839, 0.3722, 0.3558



70.2839, 0.3102, 0.3740

Rectangle

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



70.2839, 0.2566, 0.2981



70.2839, 0.2765, 0.2797



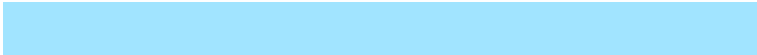
70.2839, 0.3722, 0.3558



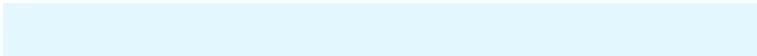
70.2839, 0.3485, 0.3815

Sweetspot

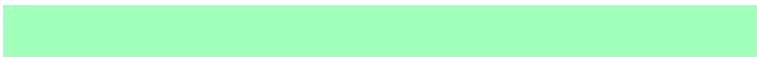
The Sweet Spot groups the original color and five complimentary colors.



70.2862, 0.2566, 0.2981



90.0257, 0.2956, 0.3208



82.7192, 0.2939, 0.4086



19.0204, 0.2935, 0.3198



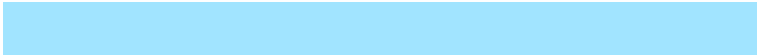
0.0000, 0.0000, 0.0000



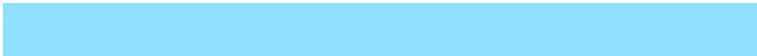
21.4041, 0.3127, 0.3290

Same Dimension

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



70.2862, 0.2566, 0.2981



65.6823, 0.2466, 0.2910



48.0165, 0.2485, 0.2417



19.5473, 0.2980, 0.3220



21.4582, 0.1979, 0.2324



2.2767, 0.2013, 0.2447

Inverse Universe

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



52.3693, 0.3395, 0.2615



46.1590, 0.3465, 0.2487



83.0485, 0.3751, 0.4031



18.2061, 0.3182, 0.3122



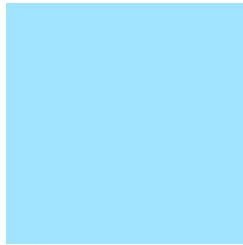
12.8942, 0.4102, 0.2033



1.2744, 0.3975, 0.1964

Previews

White Background



This preview shows how the Yxy color 70.2839, 0.2566, 0.2981 looks on a white background.

Color Contrast Check

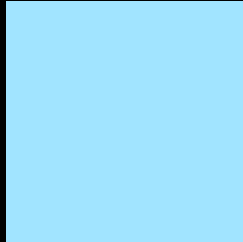
Large Text (above 18pt) WCAG AA × Fail

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 70.2839, 0.2566, 0.2981 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

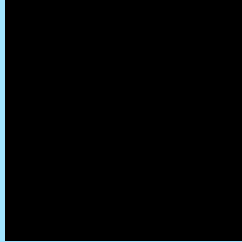
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 70.2839, 0.2566, 0.2981

Background



This preview shows how black text looks on a background with the Yxy color 70.2839, 0.2566, 0.2981.

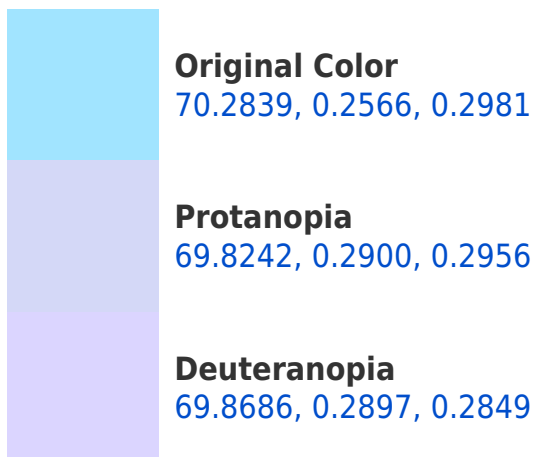


This preview shows how white text looks on a background with the Yxy color 70.2839, 0.2566, 0.2981.

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

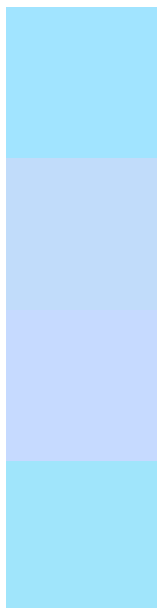




Tritanopia

70.1869, 0.2591, 0.3069

Trichromacy



Original Color

70.2839, 0.2566, 0.2981

Protanomaly

69.4260, 0.2763, 0.2958

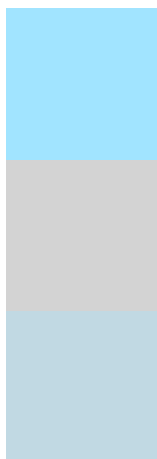
Deuteranomaly

69.3686, 0.2764, 0.2887

Tritanomaly

70.4772, 0.2582, 0.3036

Monochromacy



Original Color

70.2839, 0.2566, 0.2981

Achromatopsia

65.1406, 0.3127, 0.3290

Achromatomaly

66.5092, 0.2896, 0.3175

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.2839, 0.2566, 0.2981 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, 228, 255)` looks like.

```
.text, #text, p{  
    color:rgb(161, 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(161, 228, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 228, 255) }
```

Border

The CSS property to change the border of an element to Yxy 70.2839, 0.2566, 0.2981 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, 228, 255) }
```

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

```
.border{ border-color:rgb(161, 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(161, 228, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 228, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 228, 255);  
box-shadow:4px 4px 4px 4px rgb(161, 228,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 70.2839, 0.2566, 0.2981 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 228, 255) }
```

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

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