

Converting Colors

$Yxy(71.9142, 0.2508, 0.2777)$

Have a look what the booklet for
Yxy(71.9142, 0.2508, 0.2777)
contains.

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Color

Yxy(70.4830, 0.2601, 0.2973)

Conversions

Conversions Part 1

Format	Color
Hex	A8E3FF
RGB	168, 227, 255
RGB Percent	66%, 89%, 100%
CMY	0.3411, 0.1098, 0.0001
CMYK	0.34, 0.11, 0.00, 0.00
HSL	199°, 100%, 83%
HSV	199°, 34%, 100%
XYZ	61.6637, 70.4830, 104.9303
YIQ	212.5510, -44.1520, -3.8000

Conversions

Conversions Part 2

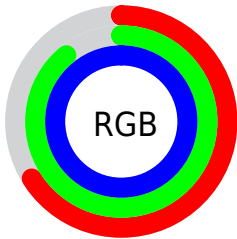
Format	Color
RYB	168, 203, 255
Decimal	11068415
CIELab	87.23, -12.12, -19.56
CIELCh	87, 23.014, 238.209
Yxy	70.4830, 0.2601, 0.2973
Android (android.graphics.Color)	4289258495 (0xFFA8E3FF)
YUV	212.5510, 20.9274, -39.0712
Hunter-Lab	83.9542, -15.8128, -15.3358

Details

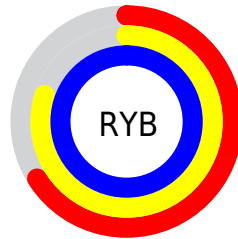
The Yxy color **70.4830, 0.2601, 0.2973** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **63.5456, 0.3837, 0.3584**, and the grayscale version is **66.1059, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.7476, 0.2946, 0.3289**, and **37.0930, 0.2486, 0.2903** is the 20% darker color. If you saturate the color by 10%, you get **63.5779, 0.2457, 0.2862**, and if you desaturate by 10%, it is **78.1557, 0.2753, 0.3076**.

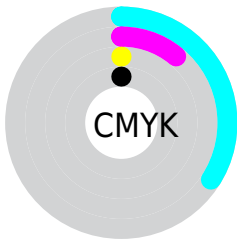
Distribution



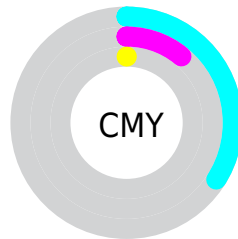
- Red (66%)
- Green (89%)
- Blue (100%)



- 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 70.4830, 0.2601, 0.2973 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 70.4830, 0.2601, 0.2973 by changing the saturation by 10% instead.

70.4830, 0.2601,
0.2973

70.4830, 0.2601,
0.2973

462.2441, 0.2841,
0.3123

51.9204, 0.2547,
0.2938

119.8973, 0.2683,
0.3026

36.9416, 0.2481,
0.2894

151.5178, 0.2716,
0.3046

25.1623, 0.2399,
0.2839

188.2596, 0.2744,
0.3064

16.1980, 0.2293,
0.2766

230.5073, 0.2768,
0.3079

9.6644, 0.2153,
0.2666

278.6452, 0.2789,
0.3092

5.1770, 0.1958,
0.2521

333.0577, 0.2809,

2.3515, 0.1673,

0.3104

0.2295

394.1292, 0.2826,
0.3114

0.8008, 0.1121,
0.1930

0.0000, 0.0000,
0.0000

70.4830, 0.2601,
0.2973

70.4830, 0.2601,
0.2973

63.5779, 0.2457,
0.2862

78.1557, 0.2753,
0.3076

57.3970, 0.2324,
0.2745

86.6203, 0.2908,
0.3171

51.9045, 0.2205,
0.2624

95.9097, 0.3064,
0.3257

47.0573, 0.2105,
0.2500

99.9977, 0.3127,
0.3290

■ 42.8058, 0.2025,
0.2375

■ 39.0899, 0.1967,
0.2252

■ 37.1009, 0.1939,
0.2181

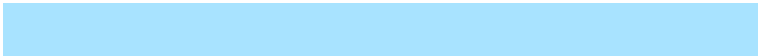
Harmonies

Analogous

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



70.4830, 0.2642, 0.3198



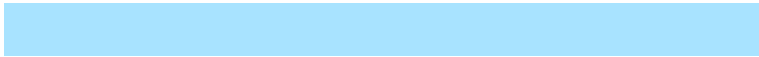
70.4830, 0.2601, 0.2973



70.4830, 0.2692, 0.2846

Triad

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



70.4830, 0.2601, 0.2973



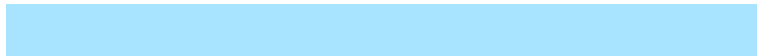
70.4830, 0.3447, 0.3117



70.4830, 0.3343, 0.3788

Complementary

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



70.4830, 0.2601, 0.2973



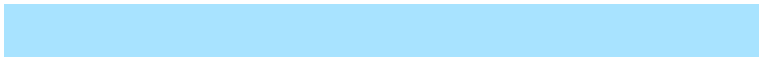
63.5456, 0.3837, 0.3584

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.



70.4830, 0.3572, 0.3740



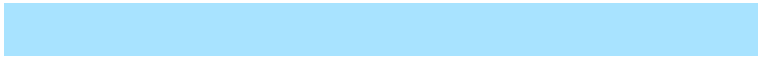
70.4830, 0.2601, 0.2973



70.4830, 0.3637, 0.3347

Square

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



70.4830, 0.2601, 0.2973



70.4830, 0.3173, 0.2934



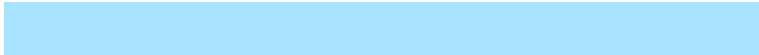
70.4830, 0.3682, 0.3574



70.4830, 0.3063, 0.3688

Rectangle

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



70.4830, 0.2601, 0.2973



70.4830, 0.2818, 0.2826



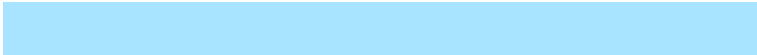
70.4830, 0.3682, 0.3574



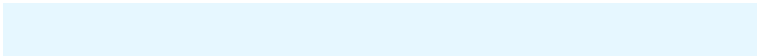
70.4830, 0.3429, 0.3788

Sweetspot

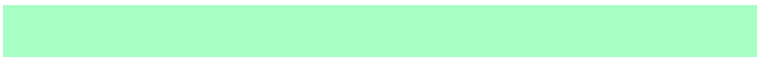
The Sweet Spot groups the original color and five complimentary colors.



70.4858, 0.2601, 0.2973



90.3605, 0.2972, 0.3207



83.7876, 0.2937, 0.3981



19.0654, 0.2950, 0.3195



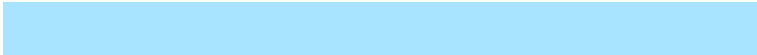
0.0000, 0.0000, 0.0000



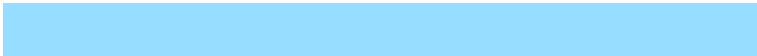
21.4041, 0.3127, 0.3290

Same Dimension

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



70.4858, 0.2601, 0.2973



65.6638, 0.2501, 0.2897



49.8047, 0.2533, 0.2458



19.4388, 0.2980, 0.3212



19.6743, 0.1945, 0.2201



2.1136, 0.1983, 0.2340

Inverse Universe

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



54.8088, 0.3395, 0.2693



48.4576, 0.3468, 0.2573



85.8266, 0.3692, 0.4002



18.1952, 0.3188, 0.3130



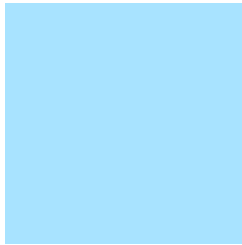
12.7141, 0.4231, 0.2104



1.2579, 0.4085, 0.2024

Previews

White Background



This preview shows how the Yxy color 70.4830, 0.2601, 0.2973 looks on a white background.

Color Contrast Check

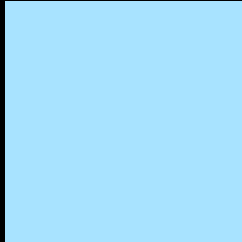
Large Text (above 18pt) WCAG AA × Fail

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 70.4830, 0.2601, 0.2973 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 70.4830, 0.2601, 0.2973

Background



This preview shows how black text looks on a background with the Yxy color 70.4830, 0.2601, 0.2973.

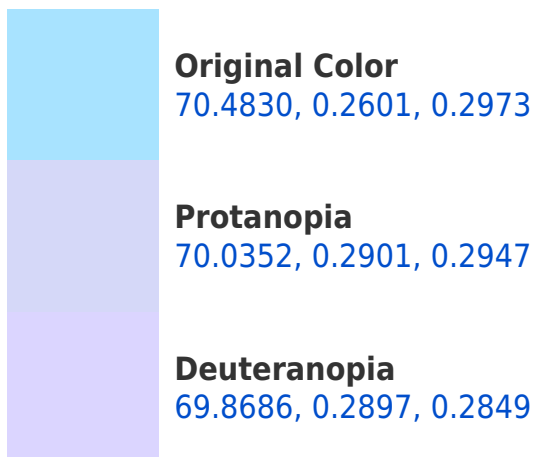


This preview shows how white text looks on a background with the Yxy color 70.4830, 0.2601, 0.2973.

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

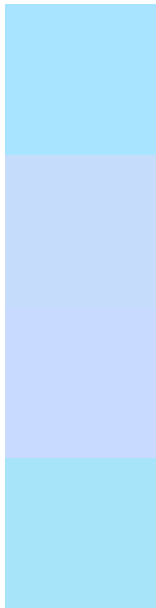




Tritanopia

70.3092, 0.2632, 0.3071

Trichromacy



Original Color

70.4830, 0.2601, 0.2973

Protanomaly

70.0218, 0.2782, 0.2950

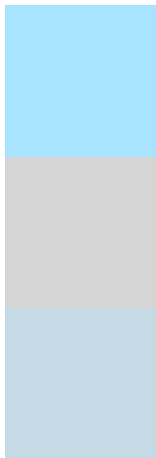
Deuteranomaly

69.6422, 0.2776, 0.2888

Tritanomaly

70.6044, 0.2622, 0.3038

Monochromacy



Original Color

70.4830, 0.2601, 0.2973

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 70.4830, 0.2601, 0.2973 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(168, 227, 255)` looks like.

```
.text, #text, p{  
    color:rgb(168, 227, 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(168, 227, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 227, 255) }
```

Border

The CSS property to change the border of an element to Yxy 70.4830, 0.2601, 0.2973 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(168, 227, 255) }
```

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

```
.border{ border-color:rgb(168, 227, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 227, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 227, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 227, 255);  
box-shadow:4px 4px 4px 4px rgb(168, 227,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 70.4830, 0.2601, 0.2973 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 227, 255) }
```

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

```
.background{ background-color: rgb(168,  
227, 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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