

Converting Colors

$Y_{xy}(73.2290, 0.2450, 0.2673)$

Have a look what the booklet for
Yxy(73.2290, 0.2450, 0.2673)
contains.

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Color

Yxy(70.8138, 0.2592, 0.2983)

Conversions

Conversions Part 1

Format	Color
Hex	A6E4FF
RGB	166, 228, 255
RGB Percent	65%, 89%, 100%
CMY	0.3487, 0.1059, 0.0000
CMYK	0.35, 0.11, 0.00, 0.00
HSL	198°, 100%, 83%
HSV	198°, 35%, 100%
XYZ	61.5318, 70.8138, 105.0456
YIQ	212.5400, -45.6190, -4.7470

Conversions

Conversions Part 2

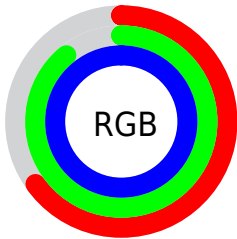
Format	Color
R _Y B	166, 203, 255
Decimal	10937599
CIE Lab	87.39, -13.13, -19.36
CIE LCh	87, 23.388, 235.853
Yxy	70.8138, 0.2592, 0.2983
Android (android.graphics.Color)	4289127679 (0xFFA6E4FF)
YUV	212.5400, 20.9328, -40.8156
Hunter-Lab	84.1509, -16.7436, -15.1061

Details

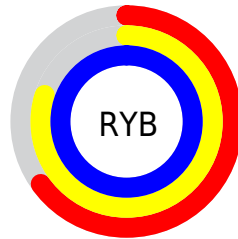
The Yxy color **70.8138, 0.2592, 0.2983** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **62.1925, 0.3863, 0.3575**, and the grayscale version is **66.1070, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.4280, 0.2935, 0.3289**, and **37.3439, 0.2476, 0.2917** is the 20% darker color. If you saturate the color by 10%, you get **64.1597, 0.2450, 0.2879**, and if you desaturate by 10%, it is **78.2087, 0.2742, 0.3081**.

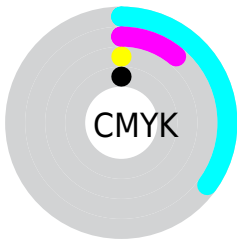
Distribution



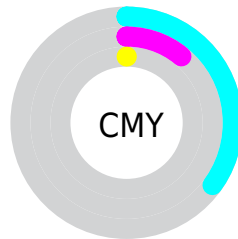
- Red (65%)
- Green (89%)
- Blue (100%)



- Red (65%)
- Yellow (80%)
- Blue (100%)



- Cyan (35%)
- Magenta (11%)
- Yellow (0%)
- Black (0%)





- Cyan (35%)
- Magenta (11%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.8138, 0.2592, 0.2983 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 70.8138, 0.2592, 0.2983 by changing the saturation by 10% instead.

 70.8138, 0.2592,
0.2983


 70.8138, 0.2592,
0.2983


463.4023, 0.2836,
0.3129

 52.1903, 0.2538,
0.2949


 120.3686, 0.2676,
0.3034

 37.1567, 0.2471,
0.2907


 152.0686, 0.2708,
0.3054

 25.3289, 0.2387,
0.2852


188.8962, 0.2737,
0.3071

 16.3223, 0.2280,
0.2781

231.2358, 0.2762,
0.3086

 9.7525, 0.2138,
0.2683

279.4718, 0.2783,
0.3099

 5.2351, 0.1941,
0.2541

333.9887, 0.2803,

 2.3859, 0.1655,

0.3110

0.2320

395.1707, 0.2820,
0.3120

■ 0.8186, 0.1097,
0.1963

■ 0.0000, 0.0000,
0.0000

■ 70.8138, 0.2592,
0.2983

■ 70.8138, 0.2592,
0.2983

■ 64.1597, 0.2450,
0.2879

■ 78.2087, 0.2742,
0.3081

■ 58.2062, 0.2321,
0.2768

■ 86.3715, 0.2896,
0.3171

■ 52.9168, 0.2206,
0.2654

■ 95.3337, 0.3052,
0.3253

■ 48.2483, 0.2110,
0.2537

100.0000, 0.3127,
0.3290

■ 44.1511, 0.2035,
0.2420

■ 40.5644, 0.1980,
0.2305

■ 38.8805, 0.1957,
0.2246

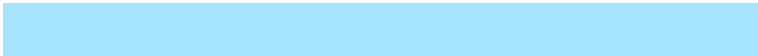
Harmonies

Analogous

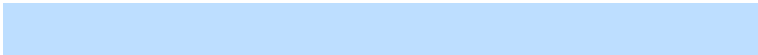
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



70.8138, 0.2644, 0.3217



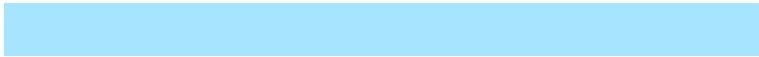
70.8138, 0.2592, 0.2983



70.8138, 0.2674, 0.2845

Triad

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



70.8138, 0.2592, 0.2983



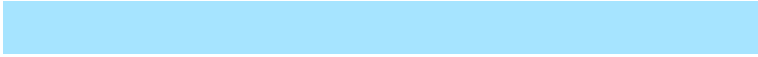
70.8138, 0.3432, 0.3098



70.8138, 0.3367, 0.3797

Complementary

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



70.8138, 0.2592, 0.2983



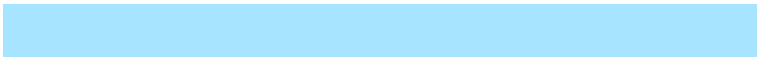
62.1925, 0.3863, 0.3575

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.



70.8138, 0.3592, 0.3737



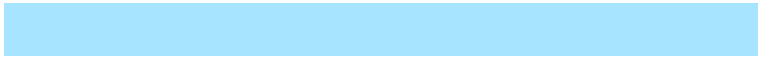
70.8138, 0.2592, 0.2983



70.8138, 0.3634, 0.3329

Square

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



70.8138, 0.2592, 0.2983



70.8138, 0.3150, 0.2918



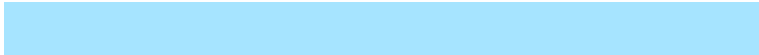
70.8138, 0.3693, 0.3561



70.8138, 0.3084, 0.3707

Rectangle

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



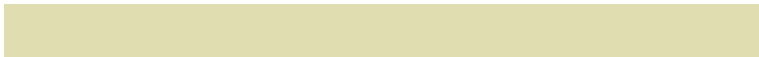
70.8138, 0.2592, 0.2983



70.8138, 0.2796, 0.2819



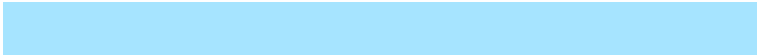
70.8138, 0.3693, 0.3561



70.8138, 0.3452, 0.3793

Sweetspot

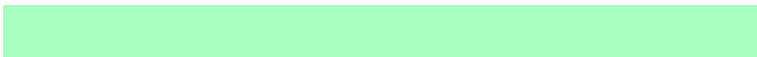
The Sweet Spot groups the original color and five complimentary colors.



70.8155, 0.2592, 0.2983



90.6378, 0.2972, 0.3212



83.4739, 0.2941, 0.4018



19.1327, 0.2950, 0.3200



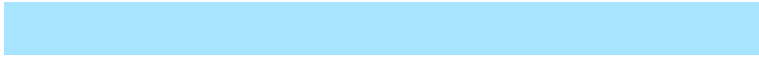
0.0000, 0.0000, 0.0000



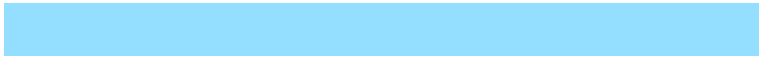
21.4041, 0.3127, 0.3290

Same Dimension

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



70.8155, 0.2592, 0.2983



65.9988, 0.2490, 0.2909



49.5566, 0.2521, 0.2454



19.4954, 0.2980, 0.3216



20.5914, 0.1963, 0.2265



2.1976, 0.1999, 0.2396

Inverse Universe

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



54.1595, 0.3389, 0.2664



47.7076, 0.3461, 0.2538



84.7084, 0.3710, 0.4005



18.2009, 0.3185, 0.3126



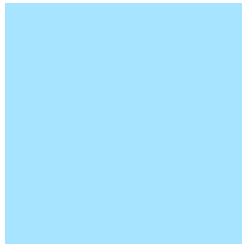
12.8067, 0.4163, 0.2067



1.2664, 0.4027, 0.1992

Previews

White Background



This preview shows how the Yxy color 70.8138, 0.2592, 0.2983 looks on a white background.

Color Contrast Check

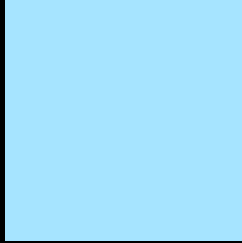
Large Text (above 18pt) WCAG AA × Fail

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 70.8138, 0.2592, 0.2983 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 70.8138, 0.2592, 0.2983

Background



This preview shows how black text looks on a background with the Yxy color 70.8138, 0.2592, 0.2983.

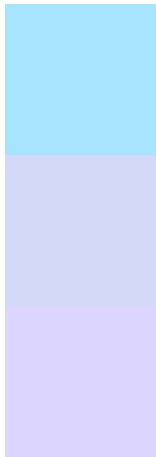


This preview shows how white text looks on a background with the Yxy color 70.8138, 0.2592, 0.2983.

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

70.8138, 0.2592, 0.2983

Protanopia

70.5492, 0.2901, 0.2958

Deuteranopia

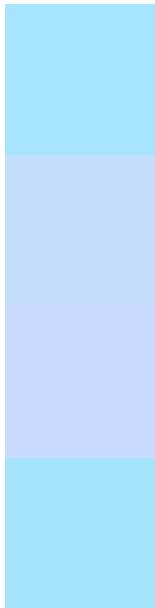
70.5288, 0.2904, 0.2860



Tritanopia

70.7084, 0.2618, 0.3071

Trichromacy



Original Color

70.8138, 0.2592, 0.2983

Protanomaly

70.4137, 0.2777, 0.2961

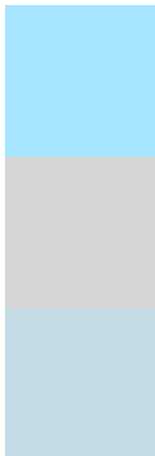
Deuteranomaly

70.1624, 0.2777, 0.2900

Tritanomaly

71.0030, 0.2608, 0.3038

Monochromacy



Original Color

70.8138, 0.2592, 0.2983

Achromatopsia

66.5387, 0.3127, 0.3290

Achromatomaly

67.4800, 0.2910, 0.3176

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.8138, 0.2592, 0.2983 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(166, 228, 255)` looks like.

```
.text, #text, p{  
    color:rgb(166, 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(166, 228, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 228, 255) }
```

Border

The CSS property to change the border of an element to Yxy 70.8138, 0.2592, 0.2983 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(166, 228, 255) }
```

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

```
.border{ border-color:rgb(166, 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(166, 228, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 228, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 228, 255);  
box-shadow:4px 4px 4px 4px rgb(166, 228,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 70.8138, 0.2592, 0.2983 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 228, 255) }
```

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

```
.background{ background-color: rgb(166,  
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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