

Converting Colors

$Y_{xy}(70.0064, 0.2572, 0.2972)$

Have a look what the booklet for
Yxy(70.0064, 0.2572, 0.2972)
contains.

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Color

Yxy(69.9447, 0.2574, 0.2970)

Conversions

Conversions Part 1

Format	Color
Hex	A3E3FF
RGB	163, 227, 255
RGB Percent	64%, 89%, 100%
CMY	0.3610, 0.1098, 0.0000
CMYK	0.36, 0.11, 0.00, 0.00
HSL	198°, 100%, 82%
HSV	198°, 36%, 100%
XYZ	60.6187, 69.9447, 104.9406
YIQ	211.0560, -47.1320, -4.8600

Conversions

Conversions Part 2

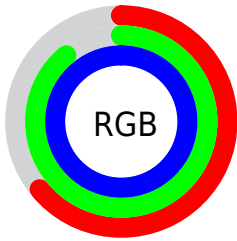
Format	Color
R _Y B	163, 201, 255
Decimal	10740735
CIE _{Lab}	86.97, -13.45, -20.02
CIE _{LCh}	87, 24.119, 236.113
Y _{xy}	69.9447, 0.2574, 0.2970
Android (android.graphics.Color)	4288930815 (0xFFA3E3FF)
Y _{UV}	211.0560, 21.6644, -42.1451
Hunter-Lab	83.6329, -16.9775, -15.8526

Details

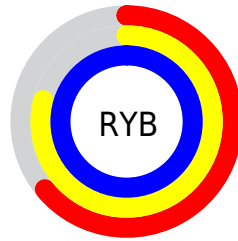
The Yxy color **69.9447, 0.2574, 0.2970** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **61.1358, 0.3898, 0.3585**, and the grayscale version is **65.0507, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.9556, 0.2917, 0.3289**, and **36.7081, 0.2449, 0.2900** is the 20% darker color. If you saturate the color by 10%, you get **63.3740, 0.2434, 0.2865**, and if you desaturate by 10%, it is **77.2501, 0.2723, 0.3069**.

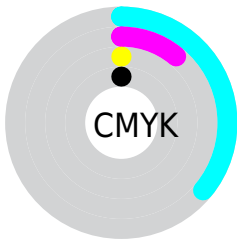
Distribution



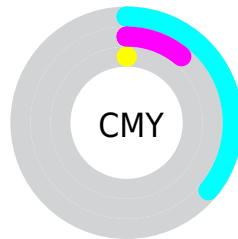
- Red (64%)
- Green (89%)
- Blue (100%)



- Red (64%)
- Yellow (79%)
- Blue (100%)



- Cyan (36%)
- Magenta (11%)
- Yellow (0%)
- Black (0%)




- Cyan (36%)
- Magenta (11%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 69.9447, 0.2574, 0.2970 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 69.9447, 0.2574, 0.2970 by changing the saturation by 10% instead.


 69.9447, 0.2574,
0.2970


 69.9447, 0.2574,
0.2970


460.3558, 0.2826,
0.3122

 51.4815, 0.2518,
0.2934


 119.1299, 0.2661,
0.3024

 36.5919, 0.2448,
0.2890


 150.6206, 0.2695,
0.3044

 24.8917, 0.2362,
0.2833


187.2226, 0.2724,
0.3062

 15.9964, 0.2251,
0.2758

229.3203, 0.2750,
0.3077

 9.5216, 0.2104,
0.2656

277.2981, 0.2772,
0.3091

 5.0829, 0.1900,
0.2506

331.5403, 0.2792,

 2.2960, 0.1604,

0.3103

0.2274

392.4315, 0.2810,
0.3113

0.7716, 0.0997,
0.1900

0.0000, 0.0000,
0.0000

69.9447, 0.2574,
0.2970

69.9447, 0.2574,
0.2970

63.3740, 0.2434,
0.2865

77.2501, 0.2723,
0.3069

57.5011, 0.2306,
0.2754

85.3210, 0.2877,
0.3160

52.2875, 0.2193,
0.2639

94.1883, 0.3033,
0.3243

47.6896, 0.2100,
0.2522

100.0000, 0.3127,
0.3290

■ 43.6565, 0.2027,
0.2405

■ 40.1257, 0.1974,
0.2290

■ 38.8494, 0.1957,
0.2245

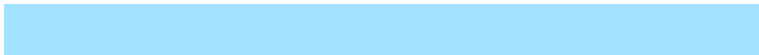
Harmonies

Analogous

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



69.9447, 0.2627, 0.3211



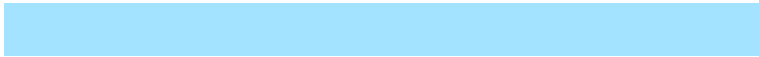
69.9447, 0.2574, 0.2970



69.9447, 0.2660, 0.2829

Triad

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



69.9447, 0.2574, 0.2970



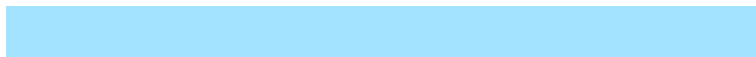
69.9447, 0.3445, 0.3093



69.9447, 0.3372, 0.3816

Complementary

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



69.9447, 0.2574, 0.2970



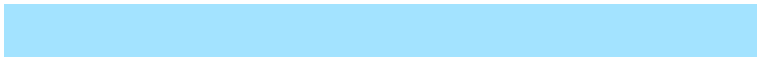
61.1358, 0.3898, 0.3585

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.



69.9447, 0.3607, 0.3753



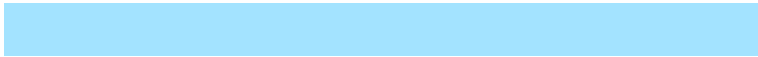
69.9447, 0.2574, 0.2970



69.9447, 0.3653, 0.3332

Square

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



69.9447, 0.2574, 0.2970



69.9447, 0.3154, 0.2907



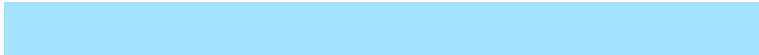
69.9447, 0.3713, 0.3572



69.9447, 0.3080, 0.3721

Rectangle

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



69.9447, 0.2574, 0.2970



69.9447, 0.2787, 0.2803



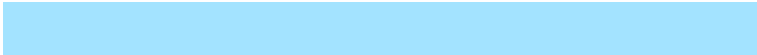
69.9447, 0.3713, 0.3572



69.9447, 0.3461, 0.3811

Sweetspot

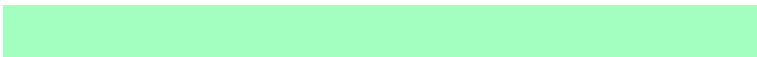
The Sweet Spot groups the original color and five complimentary colors.



69.9453, 0.2574, 0.2970



89.7415, 0.2956, 0.3204



83.0432, 0.2935, 0.4048



18.9524, 0.2935, 0.3192



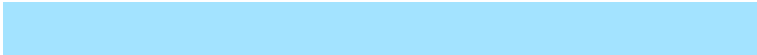
0.0000, 0.0000, 0.0000



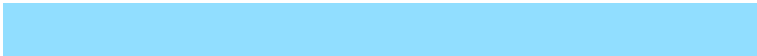
21.4041, 0.3127, 0.3290

Same Dimension

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



69.9453, 0.2574, 0.2970



65.3343, 0.2476, 0.2898



48.1941, 0.2497, 0.2419



19.4944, 0.2980, 0.3216



20.5753, 0.1962, 0.2264



2.1962, 0.1999, 0.2395

Inverse Universe

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



52.9821, 0.3401, 0.2643



46.8737, 0.3472, 0.2521



84.2332, 0.3732, 0.4030



18.2008, 0.3185, 0.3126



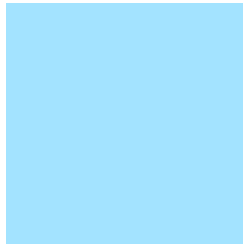
12.8051, 0.4164, 0.2068



1.2662, 0.4028, 0.1993

Previews

White Background



This preview shows how the Yxy color 69.9447, 0.2574, 0.2970 looks on a white background.

Color Contrast Check

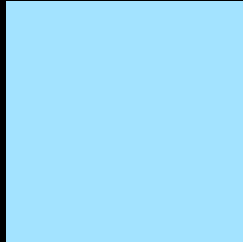
Large Text (above 18pt) WCAG AA × Fail

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 69.9447, 0.2574, 0.2970 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

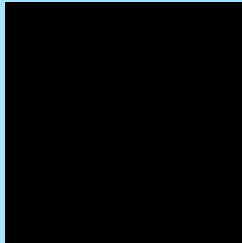
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 69.9447, 0.2574, 0.2970

Background



This preview shows how black text looks on a background with the Yxy color 69.9447, 0.2574, 0.2970.

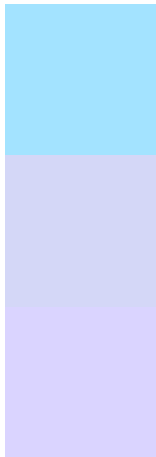


This preview shows how white text looks on a background with the Yxy color 69.9447, 0.2574, 0.2970.

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

69.9447, 0.2574, 0.2970

Protanopia

69.3133, 0.2900, 0.2945

Deuteranopia

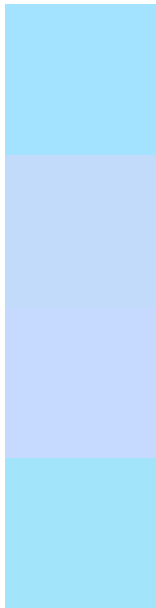
69.2124, 0.2890, 0.2837



Tritanopia

69.7793, 0.2605, 0.3069

Trichromacy



Original Color

69.9447, 0.2574, 0.2970

Protanomaly

69.0345, 0.2768, 0.2947

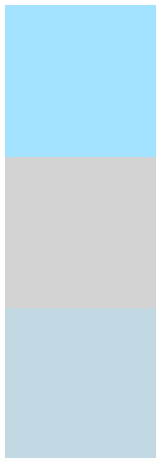
Deuteranomaly

68.8515, 0.2763, 0.2876

Tritanomaly

70.0703, 0.2596, 0.3036

Monochromacy



Original Color

69.9447, 0.2574, 0.2970

Achromatopsia

65.1406, 0.3127, 0.3290

Achromatomaly

66.6411, 0.2903, 0.3175

CSS Examples

Text

The CSS property to change the color of the text to Yxy 69.9447, 0.2574, 0.2970 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(163, 227, 255)` looks like.

```
.text, #text, p{  
    color:rgb(163, 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(163, 227, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 227, 255) }
```

Border

The CSS property to change the border of an element to Yxy 69.9447, 0.2574, 0.2970 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(163, 227, 255) }
```

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

```
.border{ border-color:rgb(163, 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(163, 227, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 227, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 227, 255);  
box-shadow:4px 4px 4px 4px rgb(163, 227,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 69.9447, 0.2574, 0.2970 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 227, 255) }
```

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

```
.background{ background-color: rgb(163,  
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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