

Converting Colors

$Yxy(68.9629, 0.2576, 0.2947)$

Have a look what the booklet for
Yxy(68.9629, 0.2576, 0.2947)
contains.

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Color

Yxy(68.9629, 0.2576, 0.2947)

Conversions

Conversions Part 1

Format	Color
Hex	A4E1FF
RGB	164, 225, 255
RGB Percent	64%, 88%, 100%
CMY	0.3570, 0.1176, 0.0000
CMYK	0.36, 0.12, 0.00, 0.00
HSL	200°, 100%, 82%
HSV	200°, 36%, 100%
XYZ	60.2811, 68.9629, 104.7665
YIQ	210.1810, -45.9860, -3.6020

Conversions

Conversions Part 2

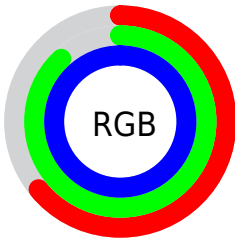
Format	Color
RYB	164, 201, 255
Decimal	10805759
CIELab	86.49, -12.16, -20.75
CIELCh	86, 24.049, 239.622
Yxy	68.9629, 0.2576, 0.2947
Android (android.graphics.Color)	4288995839 (0xFFA4E1FF)
YUV	210.1810, 22.0958, -40.5007
Hunter-Lab	83.0439, -15.7547, -16.6683

Details

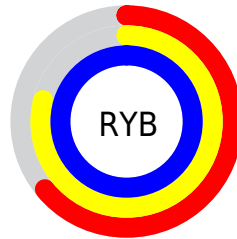
The Yxy color **68.9629, 0.2576, 0.2947** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **62.4970, 0.3878, 0.3606**, and the grayscale version is **64.4426, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.1122, 0.2923, 0.3289**, and **36.0148, 0.2450, 0.2869** is the 20% darker color. If you saturate the color by 10%, you get **62.0874, 0.2433, 0.2833**, and if you desaturate by 10%, it is **76.6070, 0.2727, 0.3055**.

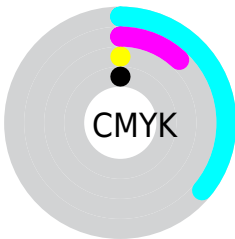
Distribution



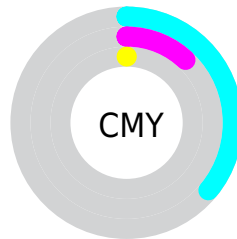
- Red (64%)
- Green (88%)
- Blue (100%)



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



- Cyan (36%)
- Magenta (12%)
- Yellow (0%)
- Black (0%)




- Cyan (36%)
- Magenta (12%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 68.9629, 0.2576, 0.2947 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 68.9629, 0.2576, 0.2947 by changing the saturation by 10% instead.


 68.9629, 0.2576,
0.2947

 68.9629, 0.2576,
0.2947

456.9001, 0.2828,
0.3110

 50.6815, 0.2519,
0.2909


 117.7286, 0.2663,
0.3004

 35.9552, 0.2450,
0.2862


 148.9817, 0.2697,
0.3026

 24.3996, 0.2364,
0.2801


185.3274, 0.2726,
0.3045

 15.6303, 0.2252,
0.2722

227.1502, 0.2751,
0.3062

 9.2629, 0.2104,
0.2612

274.8345, 0.2774,
0.3076

 4.9131, 0.1898,
0.2454

328.7647, 0.2794,

 2.1964, 0.1599,

0.3089

0.2209

389.3251, 0.2812,
0.3100

0.7180, 0.0970,
0.1807

0.0000, 0.0000,
0.0000

68.9629, 0.2576,
0.2947

68.9629, 0.2576,
0.2947

62.0874, 0.2433,
0.2833

76.6070, 0.2727,
0.3055

55.9426, 0.2301,
0.2712

85.0508, 0.2883,
0.3153

50.4897, 0.2184,
0.2586

94.3257, 0.3039,
0.3243

45.6845, 0.2086,
0.2459

100.0000, 0.3127,
0.3290

■ 41.4757, 0.2008,
0.2331

■ 37.8007, 0.1951,
0.2206

■ 36.3480, 0.1931,
0.2152

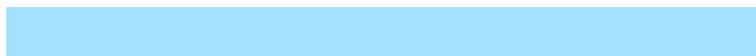
Harmonies

Analogous

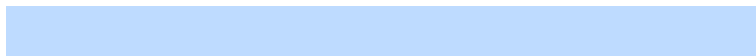
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



68.9629, 0.2613, 0.3179



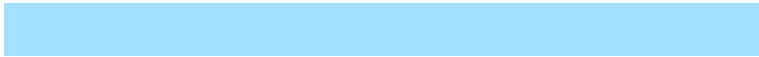
68.9629, 0.2576, 0.2947



68.9629, 0.2677, 0.2820

Triad

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



68.9629, 0.2576, 0.2947



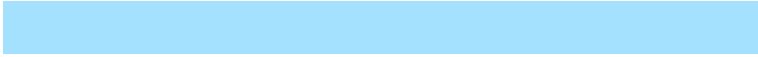
68.9629, 0.3476, 0.3119



68.9629, 0.3340, 0.3814

Complementary

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



68.9629, 0.2576, 0.2947



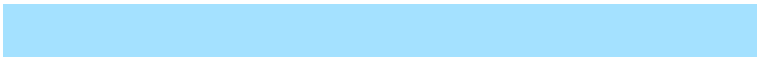
62.4970, 0.3878, 0.3606

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.



68.9629, 0.3586, 0.3769



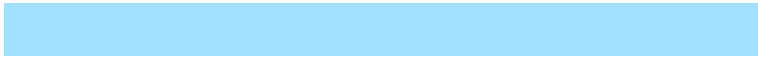
68.9629, 0.2576, 0.2947



68.9629, 0.3670, 0.3361

Square

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



68.9629, 0.2576, 0.2947



68.9629, 0.3189, 0.2924



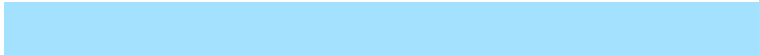
68.9629, 0.3710, 0.3597



68.9629, 0.3045, 0.3701

Rectangle

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



68.9629, 0.2576, 0.2947



68.9629, 0.2813, 0.2803



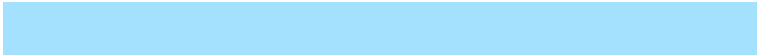
68.9629, 0.3710, 0.3597



68.9629, 0.3431, 0.3816

Sweetspot

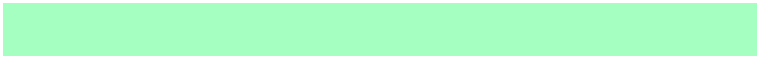
The Sweet Spot groups the original color and five complimentary colors.



68.9636, 0.2576, 0.2947



89.3088, 0.2956, 0.3196



83.2483, 0.2929, 0.4020



18.8490, 0.2935, 0.3184



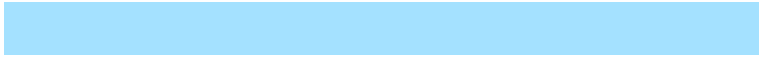
0.0000, 0.0000, 0.0000



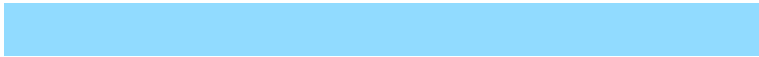
21.4041, 0.3127, 0.3290

Same Dimension

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



68.9636, 0.2576, 0.2947



63.8733, 0.2470, 0.2864



48.0114, 0.2502, 0.2412



19.4138, 0.2980, 0.3210



19.2774, 0.1937, 0.2173



2.0771, 0.1977, 0.2315

Inverse Universe

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



53.2312, 0.3418, 0.2671



46.7262, 0.3498, 0.2547



85.2673, 0.3720, 0.4036



18.1926, 0.3189, 0.3132



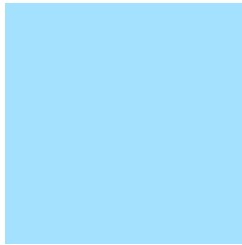
12.6740, 0.4261, 0.2121



1.2542, 0.4110, 0.2038

Previews

White Background



This preview shows how the Yxy color 68.9629, 0.2576, 0.2947 looks on a white background.

Color Contrast Check

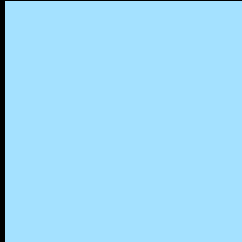
Large Text (above 18pt) WCAG AA × Fail

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 68.9629, 0.2576, 0.2947 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

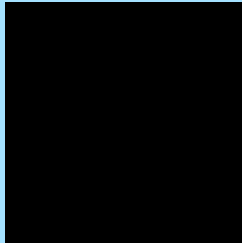
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 68.9629, 0.2576, 0.2947

Background



This preview shows how black text looks on a background with the Yxy color 68.9629, 0.2576, 0.2947.

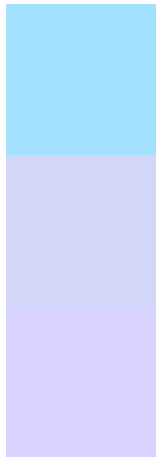


This preview shows how white text looks on a background with the Yxy color 68.9629, 0.2576, 0.2947.

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

68.9629, 0.2576, 0.2947

Protanopia

68.5721, 0.2880, 0.2923

Deuteranopia

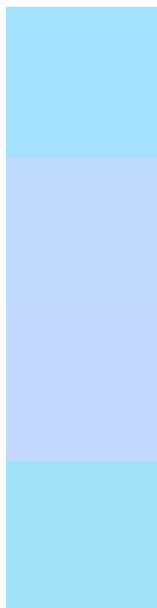
68.4075, 0.2876, 0.2824



Tritanopia

69.1078, 0.2614, 0.3080

Trichromacy



Original Color

68.9629, 0.2576, 0.2947

Protanomaly

68.4453, 0.2755, 0.2925

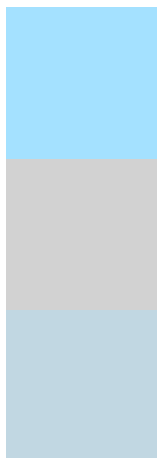
Deuteranomaly

68.2021, 0.2756, 0.2864

Tritanomaly

68.9136, 0.2597, 0.3024

Monochromacy



Original Color

68.9629, 0.2576, 0.2947

Achromatopsia

64.4480, 0.3127, 0.3290

Achromatomaly

65.4293, 0.2901, 0.3163

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.9629, 0.2576, 0.2947 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(164, 225, 255)` looks like.

```
.text, #text, p{  
    color:rgb(164, 225, 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(164, 225, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 225, 255) }
```

Border

The CSS property to change the border of an element to Yxy 68.9629, 0.2576, 0.2947 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(164, 225, 255) }
```

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

```
.border{ border-color:rgb(164, 225, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 225, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 225, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 225, 255);  
box-shadow:4px 4px 4px 4px rgb(164, 225,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 68.9629, 0.2576, 0.2947 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 225, 255) }
```

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

```
.background{ background-color: rgb(164,  
225, 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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