

Converting Colors

$Yxy(69.5571, 0.2478, 0.2698)$

Have a look what the booklet for
Yxy(69.5571, 0.2478, 0.2698)
contains.

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Color

Yxy(68.1023, 0.2584, 0.2925)

Conversions

Conversions Part 1

Format	Color
Hex	A6DFFF
RGB	166, 223, 255
RGB Percent	65%, 87%, 100%
CMY	0.3489, 0.1255, 0.0001
CMYK	0.35, 0.13, 0.00, 0.00
HSL	202°, 100%, 83%
HSV	202°, 35%, 100%
XYZ	60.1629, 68.1023, 104.5632
YIQ	209.6050, -44.2440, -2.1320

Conversions

Conversions Part 2

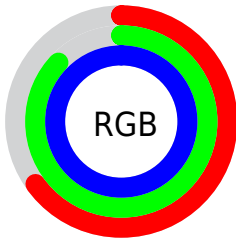
Format	Color
R _Y B	166, 201, 255
Decimal	10936319
CIE Lab	86.06, -10.60, -21.36
CIE LCh	86, 23.843, 243.610
Yxy	68.1023, 0.2584, 0.2925
Android (android.graphics.Color)	4289126399 (0xFFA6DFFF)
YUV	209.6050, 22.3797, -38.2416
Hunter-Lab	82.5241, -14.2847, -17.3573

Details

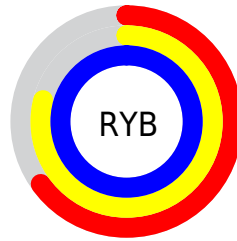
The Yxy color **68.1023, 0.2584, 0.2925** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **64.3950, 0.3846, 0.3625**, and the grayscale version is **64.0519, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.4280, 0.2935, 0.3289**, and **35.4620, 0.2463, 0.2840** is the 20% darker color. If you saturate the color by 10%, you get **60.8511, 0.2436, 0.2800**, and if you desaturate by 10%, it is **76.1702, 0.2738, 0.3042**.

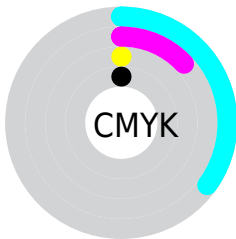
Distribution



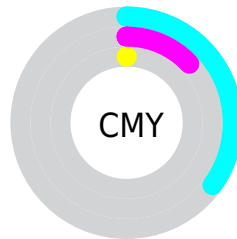
- Red (65%)
- Green (87%)
- Blue (100%)



- Red (65%)
- Yellow (79%)
- Blue (100%)



- Cyan (35%)
- Magenta (13%)
- Yellow (0%)
- Black (0%)





- Cyan (35%)
- Magenta (13%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 68.1023, 0.2584, 0.2925 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 68.1023, 0.2584, 0.2925 by changing the saturation by 10% instead.


 68.1023, 0.2584,
0.2925

 68.1023, 0.2584,
0.2925


453.8584, 0.2833,
0.3098

 49.9810, 0.2528,
0.2885


 116.4985, 0.2670,
0.2986

 35.3983, 0.2459,
0.2835


 147.5421, 0.2703,
0.3009

 23.9698, 0.2373,
0.2771


183.6620, 0.2732,
0.3029

 15.3112, 0.2262,
0.2687

225.2424, 0.2758,
0.3047

 9.0381, 0.2114,
0.2572

272.6679, 0.2780,
0.3062

 4.7661, 0.1909,
0.2406

326.3228, 0.2800,

 2.1107, 0.1609,

0.3075

0.2151

386.5915, 0.2817,
0.3087

0.6706, 0.0971,
0.1719

0.0000, 0.0000,
0.0000

68.1023, 0.2584,
0.2925

68.1023, 0.2584,
0.2925

60.8511, 0.2436,
0.2800

76.1702, 0.2738,
0.3042

54.3720, 0.2299,
0.2667

85.0806, 0.2895,
0.3149

48.6275, 0.2177,
0.2529

94.8677, 0.3052,
0.3246

43.5728, 0.2072,
0.2389

99.9987, 0.3127,
0.3290

■ 39.1563, 0.1989,
0.2249

■ 35.3154, 0.1926,
0.2112

■ 33.5311, 0.1901,
0.2043

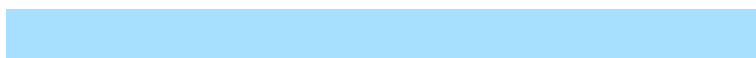
Harmonies

Analogous

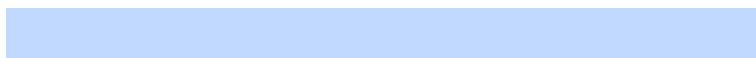
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



68.1023, 0.2602, 0.3145



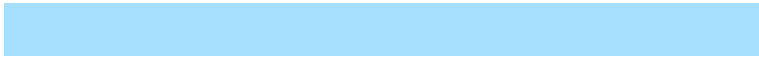
68.1023, 0.2584, 0.2925



68.1023, 0.2702, 0.2814

Triad

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



68.1023, 0.2584, 0.2925



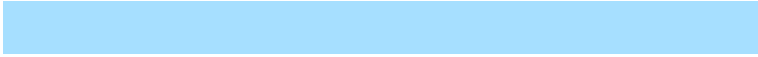
68.1023, 0.3507, 0.3150



68.1023, 0.3301, 0.3806

Complementary

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



68.1023, 0.2584, 0.2925



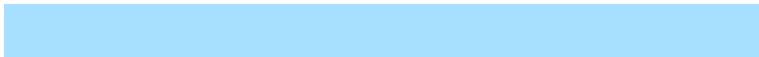
64.3950, 0.3846, 0.3625

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.



68.1023, 0.3557, 0.3781



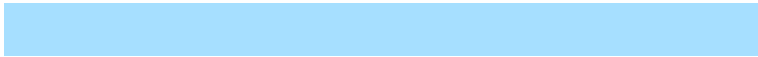
68.1023, 0.2584, 0.2925



68.1023, 0.3682, 0.3393

Square

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



68.1023, 0.2584, 0.2925



68.1023, 0.3229, 0.2947



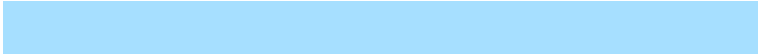
68.1023, 0.3700, 0.3624



68.1023, 0.3007, 0.3673

Rectangle

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



68.1023, 0.2584, 0.2925



68.1023, 0.2847, 0.2809



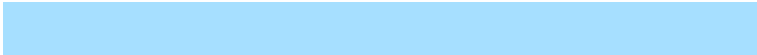
68.1023, 0.3700, 0.3624



68.1023, 0.3395, 0.3815

Sweetspot

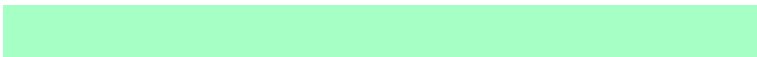
The Sweet Spot groups the original color and five complimentary colors.



68.1050, 0.2584, 0.2925



89.7713, 0.2972, 0.3198



83.6540, 0.2918, 0.3964



18.9225, 0.2950, 0.3184



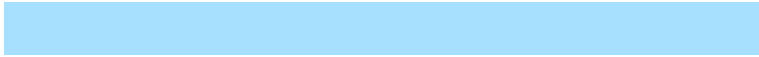
0.0000, 0.0000, 0.0000



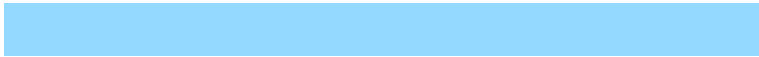
21.4041, 0.3127, 0.3290

Same Dimension

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



68.1050, 0.2584, 0.2925



62.8775, 0.2478, 0.2837



47.7131, 0.2513, 0.2399



19.3187, 0.2980, 0.3203



17.8170, 0.1907, 0.2065



1.9419, 0.1950, 0.2220

Inverse Universe

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



53.8629, 0.3432, 0.2711



47.3925, 0.3517, 0.2594



87.2971, 0.3696, 0.4045



18.1830, 0.3193, 0.3139



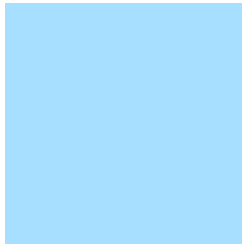
12.5266, 0.4380, 0.2186



1.2406, 0.4210, 0.2093

Previews

White Background



This preview shows how the Yxy color 68.1023, 0.2584, 0.2925 looks on a white background.

Color Contrast Check

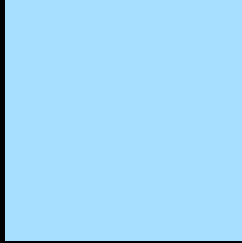
Large Text (above 18pt) WCAG AA × Fail

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 68.1023, 0.2584, 0.2925 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

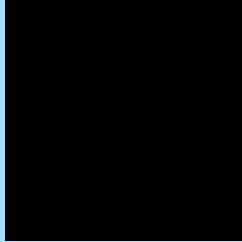
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 68.1023, 0.2584, 0.2925

Background



This preview shows how black text looks on a background with the Yxy color 68.1023, 0.2584, 0.2925.



This preview shows how white text looks on a background with the Yxy color 68.1023, 0.2584, 0.2925.

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

68.1023, 0.2584, 0.2925

Protanopia

67.7757, 0.2866, 0.2910

Deuteranopia

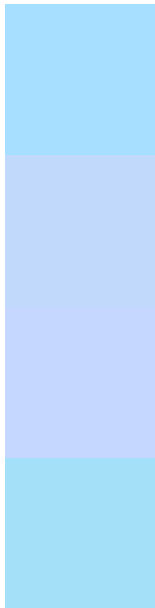
67.6093, 0.2862, 0.2812



Tritanopia

68.1080, 0.2632, 0.3079

Trichromacy



Original Color

68.1023, 0.2584, 0.2925

Protanomaly

67.9282, 0.2754, 0.2914

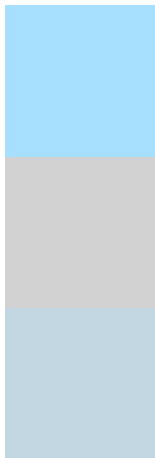
Deuteranomaly

67.6912, 0.2755, 0.2853

Tritanomaly

67.9192, 0.2615, 0.3023

Monochromacy



Original Color

68.1023, 0.2584, 0.2925

Achromatopsia

64.4480, 0.3127, 0.3290

Achromatomaly

65.5612, 0.2908, 0.3163

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.1023, 0.2584, 0.2925 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, 223, 255)` looks like.

```
.text, #text, p{  
    color:rgb(166, 223, 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, 223, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 223, 255) }
```

Border

The CSS property to change the border of an element to Yxy 68.1023, 0.2584, 0.2925 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, 223, 255) }
```

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

```
.border{ border-color:rgb(166, 223, 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, 223, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 223, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 223, 255);  
box-shadow:4px 4px 4px 4px rgb(166, 223,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 68.1023, 0.2584, 0.2925 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 223, 255) }
```

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

```
.background{ background-color: rgb(166,  
223, 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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