

Converting Colors

Yxy(68.9846, 0.2634, 0.3069)

Have a look what the booklet for
Yxy(68.9846, 0.2634, 0.3069)
contains.

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Color

Yxy(68.9846, 0.2634, 0.3069)

Conversions

Conversions Part 1

Format	Color
Hex	A5E2F5
RGB	165, 226, 245
RGB Percent	65%, 89%, 96%
CMY	0.3526, 0.1138, 0.0392
CMYK	0.33, 0.08, 0.00, 0.04
HSL	194°, 80%, 80%
HSV	194°, 33%, 96%
XYZ	59.2067, 68.9846, 96.5874
YIQ	209.9270, -42.4550, -7.0230

Conversions

Conversions Part 2

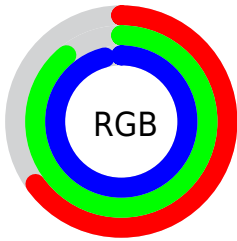
Format	Color
R _Y B	165, 200, 245
Decimal	10871541
CIE Lab	86.50, -14.78, -15.45
CIE LCh	86, 21.379, 226.280
Yxy	68.9846, 0.2634, 0.3069
Android (android.graphics.Color)	4289061621 (0xFFA5E2F5)
YUV	209.9270, 17.2910, -39.4010
Hunter-Lab	83.0570, -18.1069, -10.8088

Details

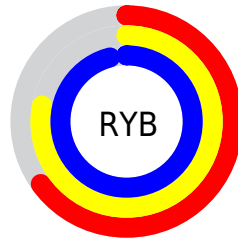
The Yxy color **68.9846, 0.2634, 0.3069** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **56.4537, 0.3819, 0.3499**, and the grayscale version is **64.3148, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.2696, 0.2929, 0.3289**, and **36.1149, 0.2519, 0.3014** is the 20% darker color. If you saturate the color by 10%, you get **63.4886, 0.2497, 0.2990**, and if you desaturate by 10%, it is **75.0971, 0.2780, 0.3143**.

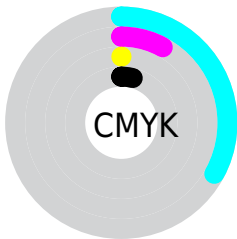
Distribution



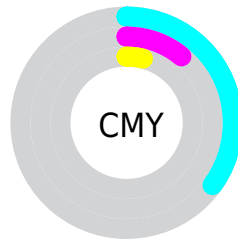
- Red (65%)
- Green (89%)
- Blue (96%)



- Red (65%)
- Yellow (78%)
- Blue (96%)



- Cyan (33%)
- Magenta (8%)
- Yellow (0%)
- Black (4%)



- Cyan (35%)
- Magenta (11%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 68.9846, 0.2634, 0.3069 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 68.9846, 0.2634, 0.3069 by changing the saturation by 10% instead.

68.9846, 0.2634,
0.3069

68.9846, 0.2634,
0.3069

456.9767, 0.2860,
0.3176

50.6992, 0.2583,
0.3044

117.7596, 0.2712,
0.3107

35.9692, 0.2520,
0.3012

149.0179, 0.2742,
0.3121

24.4104, 0.2441,
0.2970

185.3693, 0.2769,
0.3134

15.6384, 0.2340,
0.2915

227.1983, 0.2792,
0.3145

9.2686, 0.2203,
0.2838

274.8891, 0.2812,
0.3154

4.9168, 0.2011,
0.2724

328.8261, 0.2830,

2.1985, 0.1726,

0.3162

0.2537

389.3939, 0.2846,
0.3169

0.7192, 0.1005,
0.2238

0.0000, 0.0000,
0.0000

68.9846, 0.2634,
0.3069

68.9846, 0.2634,
0.3069

63.4886, 0.2497,
0.2990

75.0971, 0.2780,
0.3143

58.5712, 0.2373,
0.2906

81.8457, 0.2932,
0.3212

54.2022, 0.2264,
0.2819

89.2586, 0.3086,
0.3275

50.3450, 0.2173,
0.2730

95.7956, 0.3189,
0.3332

■ 46.9573, 0.2103,
0.2640

■ 99.3732, 0.3185,
0.3386

■ 43.9884, 0.2052,
0.2552

■ 42.0112, 0.2024,
0.2487

Harmonies

Analogous

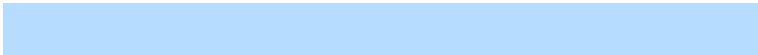
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



68.9846, 0.2722, 0.3303



68.9846, 0.2634, 0.3069



68.9846, 0.2671, 0.2909

Triad

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



68.9846, 0.2634, 0.3069



68.9846, 0.3330, 0.3052



68.9846, 0.3424, 0.3754

Complementary

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



68.9846, 0.2634, 0.3069



56.4537, 0.3819, 0.3499

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.



68.9846, 0.3600, 0.3661



68.9846, 0.2634, 0.3069



68.9846, 0.3547, 0.3256

Square

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



68.9846, 0.2634, 0.3069



68.9846, 0.3064, 0.2908



68.9846, 0.3647, 0.3476



68.9846, 0.3173, 0.3715

Rectangle

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



68.9846, 0.2634, 0.3069



68.9846, 0.2762, 0.2860



68.9846, 0.3647, 0.3476



68.9846, 0.3495, 0.3736

Sweetspot

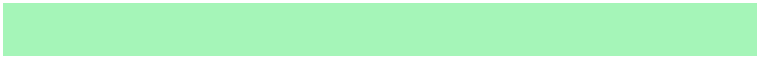
The Sweet Spot groups the original color and five complimentary colors.



68.9873, 0.2634, 0.3069



91.6700, 0.2972, 0.3229



76.7670, 0.2981, 0.4028



19.3834, 0.2950, 0.3220



0.0000, 0.0000, 0.0000



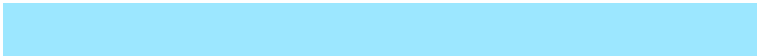
21.4041, 0.3127, 0.3290

Same Dimension

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



68.9873, 0.2634, 0.3069



71.5834, 0.2544, 0.3018



49.8830, 0.2574, 0.2585



18.0504, 0.2980, 0.3232



22.8549, 0.2028, 0.2502



2.1657, 0.2059, 0.2612

Inverse Universe

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



51.8416, 0.3322, 0.2655



50.6747, 0.3372, 0.2530



75.2802, 0.3686, 0.3906



16.6969, 0.3174, 0.3111



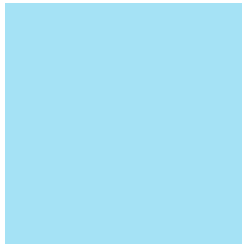
12.4066, 0.3921, 0.1933



1.1063, 0.3812, 0.1874

Previews

White Background



This preview shows how the Yxy color 68.9846, 0.2634, 0.3069 looks on a white background.

Color Contrast Check

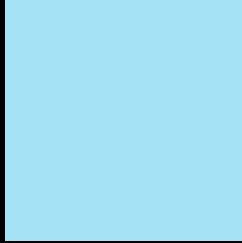
Large Text (above 18pt) WCAG AA × Fail

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 68.9846, 0.2634, 0.3069 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

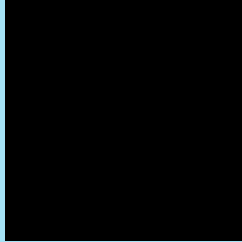
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 68.9846, 0.2634, 0.3069

Background



This preview shows how black text looks on a background with the Yxy color 68.9846, 0.2634, 0.3069.



This preview shows how white text looks on a background with the Yxy color 68.9846, 0.2634, 0.3069.

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

68.9846, 0.2634, 0.3069

Protanopia

68.4123, 0.2962, 0.3028

Deuteranopia

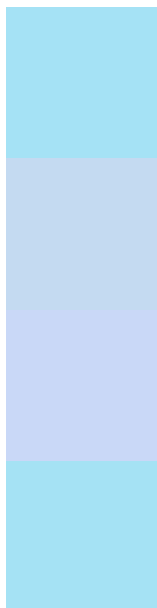
68.2426, 0.2954, 0.2887



Tritanopia

68.9237, 0.2639, 0.3080

Trichromacy



Original Color

68.9846, 0.2634, 0.3069

Protanomaly

68.2294, 0.2832, 0.3033

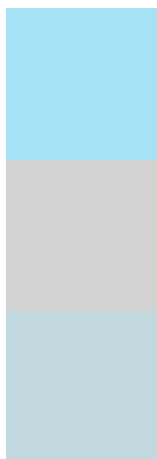
Deuteranomaly

68.2446, 0.2828, 0.2949

Tritanomaly

68.9237, 0.2639, 0.3080

Monochromacy



Original Color

68.9846, 0.2634, 0.3069

Achromatopsia

64.4480, 0.3127, 0.3290

Achromatomaly

65.9088, 0.2927, 0.3209

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.9846, 0.2634, 0.3069 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(165, 226, 245)` looks like.

```
.text, #text, p{  
    color:rgb(165, 226, 245)  
}
```

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(165, 226, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 226, 245) }
```

Border

The CSS property to change the border of an element to Yxy 68.9846, 0.2634, 0.3069 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(165, 226, 245) }
```

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

```
.border{ border-color:rgb(165, 226, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 226, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 226, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 226, 245);  
box-shadow:4px 4px 4px 4px rgb(165, 226,  
245) }
```


Background

The CSS property to change the background color of an element to Yxy 68.9846, 0.2634, 0.3069 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 226, 245) }
```

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

```
.background{ background-color: rgb(165,  
226, 245) }
```

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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