

Converting Colors

$Yxy(69.2034, 0.2693, 0.2973)$

Have a look what the booklet for
Yxy(69.2034, 0.2693, 0.2973)
contains.

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Color

Yxy(68.9684, 0.2693, 0.2975)

Conversions

Conversions Part 1

Format	Color
Hex	B5DEFA
RGB	181, 222, 250
RGB Percent	71%, 87%, 98%
CMY	0.2901, 0.1294, 0.0198
CMYK	0.28, 0.11, 0.00, 0.02
HSL	204°, 87%, 85%
HSV	204°, 28%, 98%
XYZ	62.4309, 68.9684, 100.4273
YIQ	212.9330, -33.4240, 0.0160

Conversions

Conversions Part 2

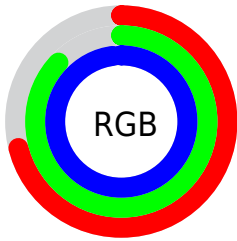
Format	Color
R _Y B	181, 207, 250
Decimal	11919098
CIE Lab	86.49, -7.13, -17.98
CIE LCh	86, 19.339, 248.378
Yxy	68.9684, 0.2693, 0.2975
Android (android.graphics.Color)	4290109178 (0xFFB5DEFA)
YUV	212.9330, 18.2740, -28.0052
Hunter-Lab	83.0472, -11.1449, -13.5651

Details

The Yxy color **68.9684, 0.2693, 0.2975** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **69.2431, 0.3652, 0.3585**, and the grayscale version is **66.3880, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.9171, 0.3023, 0.3290**, and **35.9997, 0.2599, 0.2906** is the 20% darker color. If you saturate the color by 10%, you get **60.9916, 0.2536, 0.2840**, and if you desaturate by 10%, it is **77.8165, 0.2852, 0.3099**.

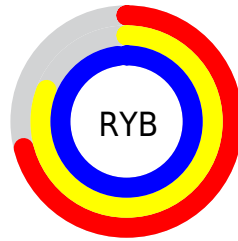
Distribution



Red (71%)

Green (87%)

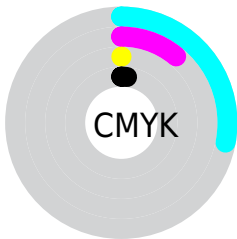
Blue (98%)



Red (71%)

Yellow (81%)

Blue (98%)

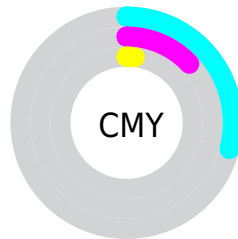


Cyan (28%)

Magenta (11%)

Yellow (0%)

Black (2%)



Cyan (29%)

Magenta (13%)

Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 68.9684, 0.2693, 0.2975 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 68.9684, 0.2693, 0.2975 by changing the saturation by 10% instead.

■ 68.9684, 0.2693,
0.2975

■ 68.9684, 0.2693,
0.2975

456.9195, 0.2893,
0.3123

■ 50.6860, 0.2648,
0.2941

■ 117.7364, 0.2762,
0.3027

■ 35.9588, 0.2592,
0.2898

148.9908, 0.2789,
0.3047

■ 24.4023, 0.2522,
0.2844

185.3380, 0.2812,
0.3064

■ 15.6323, 0.2431,
0.2772

227.1624, 0.2832,
0.3079

■ 9.2644, 0.2310,
0.2675

274.8483, 0.2850,
0.3092

■ 4.9140, 0.2138,
0.2533

328.7802, 0.2866,

■ 2.1969, 0.1880,

0.3104

0.2314

389.3425, 0.2880,
0.3114

0.7183, 0.1370,
0.1934

0.0000, 0.0000,
0.0000

68.9684, 0.2693,
0.2975

68.9684, 0.2693,
0.2975

60.9916, 0.2536,
0.2840

77.8165, 0.2852,
0.3099

53.8431, 0.2386,
0.2695

87.5600, 0.3010,
0.3212

47.4883, 0.2246,
0.2542

98.0394, 0.3158,
0.3314

41.8860, 0.2121,
0.2384

99.6794, 0.3156,
0.3338

■ 36.9902, 0.2015,
0.2225

■ 32.7473, 0.1931,
0.2067

■ 29.0887, 0.1868,
0.1914

■ 28.2670, 0.1855,
0.1877

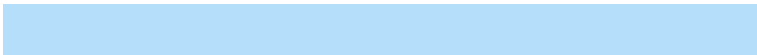
Harmonies

Analogous

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



68.9684, 0.2690, 0.3143



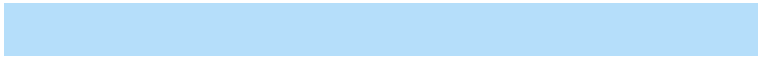
68.9684, 0.2693, 0.2975



68.9684, 0.2807, 0.2898

Triad

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



68.9684, 0.2693, 0.2975



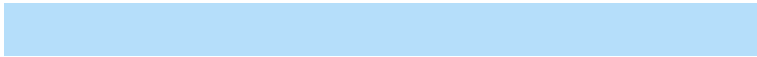
68.9684, 0.3463, 0.3208



68.9684, 0.3233, 0.3694

Complementary

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



68.9684, 0.2693, 0.2975



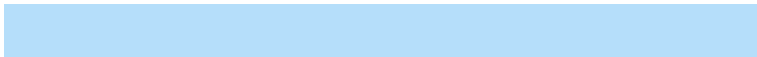
69.2431, 0.3652, 0.3585

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.



68.9684, 0.3448, 0.3698



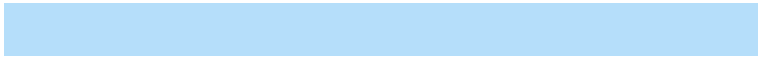
68.9684, 0.2693, 0.2975



68.9684, 0.3585, 0.3409

Square

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



68.9684, 0.2693, 0.2975



68.9684, 0.3249, 0.3033



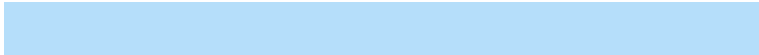
68.9684, 0.3579, 0.3589



68.9684, 0.2995, 0.3570

Rectangle

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



68.9684, 0.2693, 0.2975



68.9684, 0.2934, 0.2902



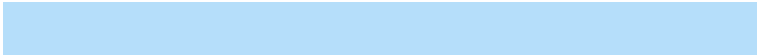
68.9684, 0.3579, 0.3589



68.9684, 0.3310, 0.3709

Sweetspot

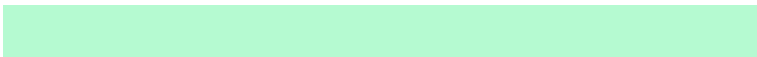
The Sweet Spot groups the original color and five complimentary colors.



68.9712, 0.2693, 0.2975



91.1692, 0.3003, 0.3208



82.7545, 0.2940, 0.3760



19.1735, 0.2979, 0.3191



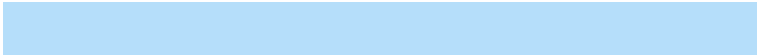
0.0000, 0.0000, 0.0000



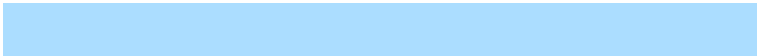
21.4041, 0.3127, 0.3290

Same Dimension

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



68.9712, 0.2693, 0.2975



67.5088, 0.2607, 0.2903



52.6580, 0.2652, 0.2573



18.3589, 0.2980, 0.3191



15.2893, 0.1862, 0.1902



1.6241, 0.1912, 0.2084

Inverse Universe

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



58.6483, 0.3379, 0.2867



55.5431, 0.3444, 0.2780



87.7923, 0.3562, 0.3918



17.3984, 0.3200, 0.3150



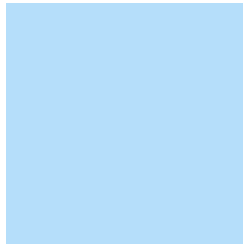
11.9544, 0.4565, 0.2289



1.1282, 0.4359, 0.2175

Previews

White Background



This preview shows how the Yxy color 68.9684, 0.2693, 0.2975 looks on a white background.

Color Contrast Check

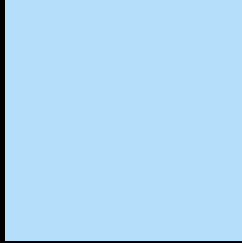
Large Text (above 18pt) WCAG AA × Fail

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 68.9684, 0.2693, 0.2975 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

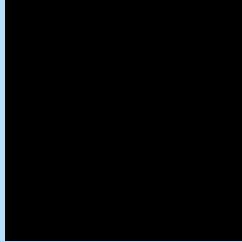
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

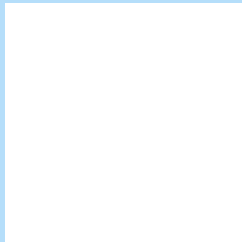
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 68.9684, 0.2693, 0.2975

Background



This preview shows how black text looks on a background with the Yxy color 68.9684, 0.2693, 0.2975.

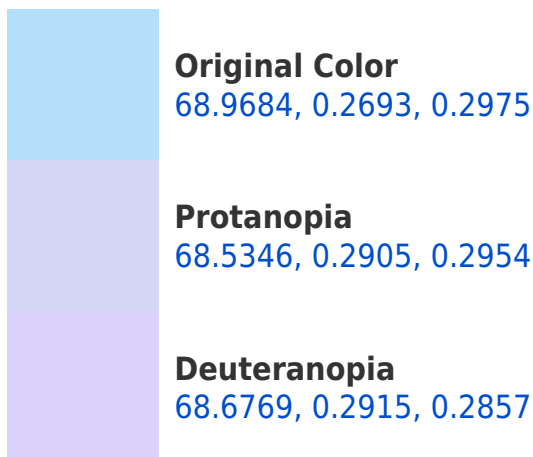


This preview shows how white text looks on a background with the Yxy color 68.9684, 0.2693, 0.2975.

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





Tritanopia

68.7099, 0.2731, 0.3083

Trichromacy



Original Color

68.9684, 0.2693, 0.2975

Protanomaly

68.6205, 0.2822, 0.2960

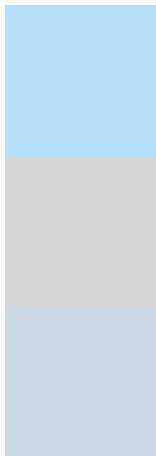
Deuteranomaly

68.5450, 0.2829, 0.2899

Tritanomaly

69.0103, 0.2720, 0.3051

Monochromacy



Original Color

68.9684, 0.2693, 0.2975

Achromatopsia

66.5387, 0.3127, 0.3290

Achromatomaly

67.0202, 0.2956, 0.3176

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.9684, 0.2693, 0.2975 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(181, 222, 250)` looks like.

```
.text, #text, p{  
    color:rgb(181, 222, 250)  
}
```

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(181, 222, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 222, 250) }
```

Border

The CSS property to change the border of an element to Yxy 68.9684, 0.2693, 0.2975 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(181, 222, 250) }
```

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

```
.border{ border-color:rgb(181, 222, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 222, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(181, 222, 250); -webkit-box-shadow:4px 4px 4px 4px rgb(181, 222, 250); box-shadow:4px 4px 4px 4px rgb(181, 222, 250) }
```


Background

The CSS property to change the background color of an element to Yxy 68.9684, 0.2693, 0.2975 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 222, 250) }
```

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

```
.background{ background-color: rgb(181,  
222, 250) }
```

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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