

Converting Colors

$Yxy(67.9871, 0.2686, 0.2970)$

Have a look what the booklet for
Yxy(67.9871, 0.2686, 0.2970)
contains.

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Color

Yxy(68.1362, 0.2685, 0.2973)

Conversions

Conversions Part 1

Format	Color
Hex	B3DDF9
RGB	179, 221, 249
RGB Percent	70%, 87%, 98%
CMY	0.2982, 0.1333, 0.0236
CMYK	0.28, 0.11, 0.00, 0.02
HSL	204°, 85%, 84%
HSV	204°, 28%, 98%
XYZ	61.5357, 68.1362, 99.5114
YIQ	211.6340, -34.0200, -0.1960

Conversions

Conversions Part 2

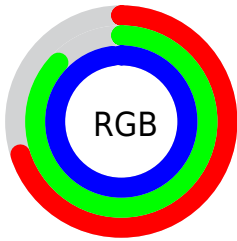
Format	Color
R _Y B	179, 205, 249
Decimal	11787769
CIE Lab	86.07, -7.43, -18.10
CIE LCh	86, 19.564, 247.681
Yxy	68.1362, 0.2685, 0.2973
Android (android.graphics.Color)	4289977849 (0xFFB3DDF9)
YUV	211.6340, 18.4214, -28.6200
Hunter-Lab	82.5447, -11.3842, -13.6956

Details

The Yxy color **68.1362, 0.2685, 0.2973** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **67.9772, 0.3666, 0.3586**, and the grayscale version is **65.4716, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.5729, 0.3011, 0.3290**, and **35.4827, 0.2582, 0.2889** is the 20% darker color. If you saturate the color by 10%, you get **60.3395, 0.2529, 0.2839**, and if you desaturate by 10%, it is **76.7849, 0.2843, 0.3096**.

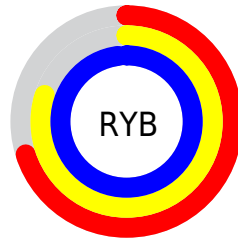
Distribution



Red (70%)

Green (87%)

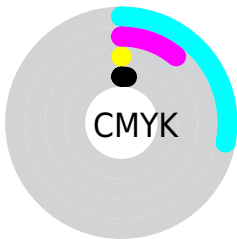
Blue (98%)



Red (70%)

Yellow (80%)

Blue (98%)

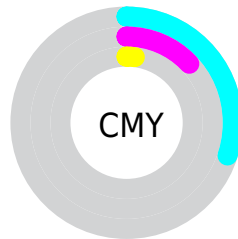


Cyan (28%)

Magenta (11%)

Yellow (0%)

Black (2%)



Cyan (30%)

Magenta (13%)

Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 68.1362, 0.2685, 0.2973 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 68.1362, 0.2685, 0.2973 by changing the saturation by 10% instead.

68.1362, 0.2685,
0.2973

68.1362, 0.2685,
0.2973

453.9784, 0.2889,
0.3123

50.0085, 0.2639,
0.2938

116.5470, 0.2755,
0.3025

35.4202, 0.2582,
0.2895

147.5989, 0.2783,
0.3046

23.9867, 0.2510,
0.2840

183.7276, 0.2807,
0.3063

15.3238, 0.2417,
0.2768

225.3177, 0.2827,
0.3078

9.0469, 0.2292,
0.2668

272.7534, 0.2845,
0.3091

4.7718, 0.2116,
0.2524

326.4192, 0.2862,

2.1140, 0.1851,

0.3103

0.2298

386.6994, 0.2876,
0.3113

0.6725, 0.1293,
0.1899

0.0000, 0.0000,
0.0000

68.1362, 0.2685,
0.2973

68.1362, 0.2685,
0.2973

60.3395, 0.2529,
0.2839

76.7849, 0.2843,
0.3096

53.3524, 0.2380,
0.2696

86.3093, 0.3001,
0.3208

47.1406, 0.2242,
0.2546

96.7420, 0.3156,
0.3308

41.6635, 0.2119,
0.2390

99.6182, 0.3162,
0.3348

■ 36.8753, 0.2015,
0.2233

■ 32.7229, 0.1932,
0.2078

■ 29.1353, 0.1871,
0.1927

■ 28.5065, 0.1861,
0.1900

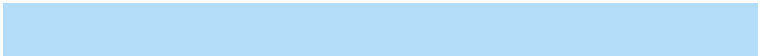
Harmonies

Analogous

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



68.1362, 0.2684, 0.3145



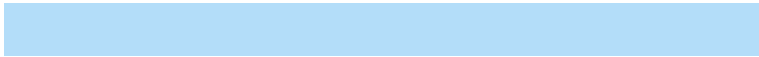
68.1362, 0.2685, 0.2973



68.1362, 0.2798, 0.2892

Triad

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



68.1362, 0.2685, 0.2973



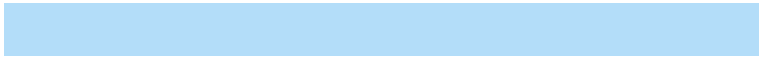
68.1362, 0.3464, 0.3202



68.1362, 0.3240, 0.3702

Complementary

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



68.1362, 0.2685, 0.2973



67.9772, 0.3666, 0.3586

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.



68.1362, 0.3457, 0.3703



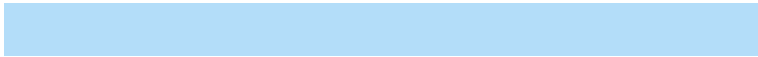
68.1362, 0.2685, 0.2973



68.1362, 0.3591, 0.3406

Square

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



68.1362, 0.2685, 0.2973



68.1362, 0.3245, 0.3025



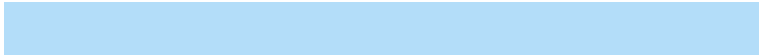
68.1362, 0.3588, 0.3590



68.1362, 0.2998, 0.3578

Rectangle

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



68.1362, 0.2685, 0.2973



68.1362, 0.2926, 0.2895



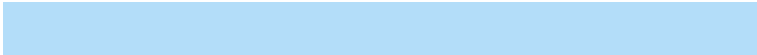
68.1362, 0.3588, 0.3590



68.1362, 0.3318, 0.3717

Sweetspot

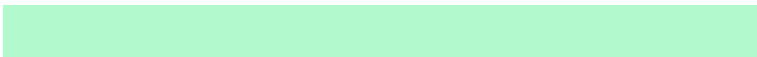
The Sweet Spot groups the original color and five complimentary colors.



68.1389, 0.2685, 0.2973



91.2459, 0.3003, 0.3209



81.7633, 0.2943, 0.3785



19.1928, 0.2979, 0.3193



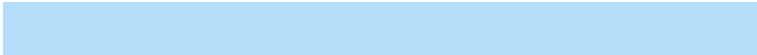
0.0000, 0.0000, 0.0000



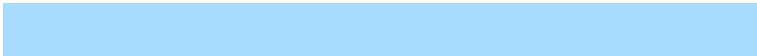
21.4041, 0.3127, 0.3290

Same Dimension

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



68.1389, 0.2685, 0.2973



66.9617, 0.2592, 0.2895



52.0134, 0.2643, 0.2571



18.3774, 0.2980, 0.3193



15.5477, 0.1868, 0.1924



1.6473, 0.1918, 0.2104

Inverse Universe

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



57.5819, 0.3382, 0.2854



54.5634, 0.3452, 0.2759



86.1864, 0.3574, 0.3919



17.4003, 0.3200, 0.3148



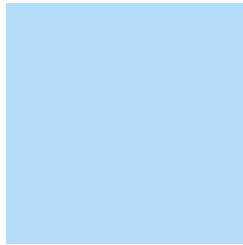
11.9804, 0.4540, 0.2275



1.1305, 0.4337, 0.2163

Previews

White Background



This preview shows how the Yxy color 68.1362, 0.2685, 0.2973 looks on a white background.

Color Contrast Check

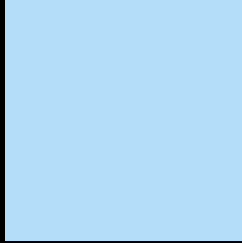
Large Text (above 18pt) WCAG AA × Fail

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 68.1362, 0.2685, 0.2973 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

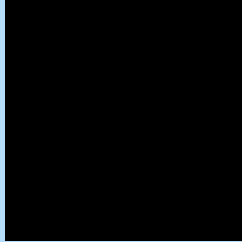
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

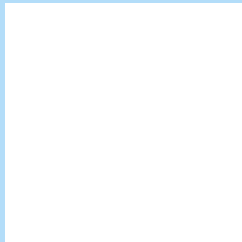
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 68.1362, 0.2685, 0.2973

Background



This preview shows how black text looks on a background with the Yxy color 68.1362, 0.2685, 0.2973.

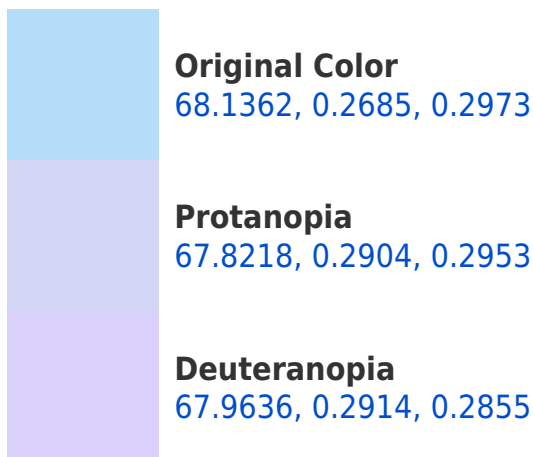


This preview shows how white text looks on a background with the Yxy color 68.1362, 0.2685, 0.2973.

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

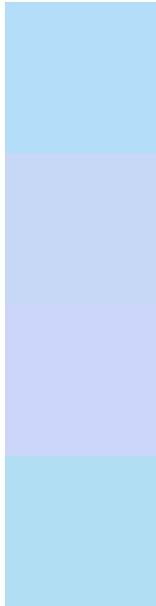




Tritanopia

67.8809, 0.2723, 0.3082

Trichromacy



Original Color

68.1362, 0.2685, 0.2973

Protanomaly

67.9077, 0.2821, 0.2958

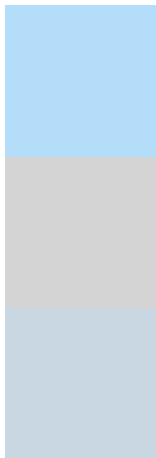
Deuteranomaly

67.8326, 0.2828, 0.2898

Tritanomaly

68.1786, 0.2713, 0.3049

Monochromacy



Original Color

68.1362, 0.2685, 0.2973

Achromatopsia

65.8375, 0.3127, 0.3290

Achromatomaly

66.3165, 0.2955, 0.3176

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.1362, 0.2685, 0.2973 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(179, 221, 249)` looks like.

```
.text, #text, p{  
    color:rgb(179, 221, 249)  
}
```

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(179, 221, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 221, 249) }
```

Border

The CSS property to change the border of an element to Yxy 68.1362, 0.2685, 0.2973 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(179, 221, 249) }
```

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

```
.border{ border-color:rgb(179, 221, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 221, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 221, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 221, 249);  
box-shadow:4px 4px 4px 4px rgb(179, 221,  
249) }
```


Background

The CSS property to change the background color of an element to Yxy 68.1362, 0.2685, 0.2973 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 221, 249) }
```

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

```
.background{ background-color: rgb(179,  
221, 249) }
```

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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