

Converting Colors

$Yxy(67.8456, 0.2673, 0.2978)$

Have a look what the booklet for
Yxy(67.8456, 0.2673, 0.2978)
contains.

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Color

Yxy(67.7203, 0.2673, 0.2982)

Conversions

Conversions Part 1

Format	Color
Hex	B0DDF8
RGB	176, 221, 248
RGB Percent	69%, 87%, 97%
CMY	0.3098, 0.1333, 0.0275
CMYK	0.29, 0.11, 0.00, 0.03
HSL	202°, 84%, 83%
HSV	202°, 29%, 97%
XYZ	60.7030, 67.7203, 98.6736
YIQ	210.6230, -35.4870, -1.1430

Conversions

Conversions Part 2

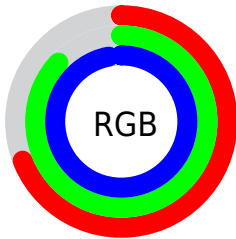
Format	Color
R _Y B	176, 204, 248
Decimal	11591160
CIE Lab	85.87, -8.49, -17.91
CIE LCh	86, 19.822, 244.632
Yxy	67.7203, 0.2673, 0.2982
Android (android.graphics.Color)	4289781240 (0xFFB0DDF8)
YUV	210.6230, 18.4269, -30.3644
Hunter-Lab	82.2923, -12.3410, -13.4877

Details

The Yxy color **67.7203, 0.2673, 0.2982** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **65.7975, 0.3692, 0.3578**, and the grayscale version is **64.7750, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.0636, 0.2993, 0.3290**, and **35.2158, 0.2568, 0.2900** is the 20% darker color. If you saturate the color by 10%, you get **60.3170, 0.2520, 0.2856**, and if you desaturate by 10%, it is **75.9290, 0.2830, 0.3098**.

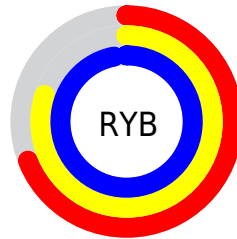
Distribution



Red (69%)

Green (87%)

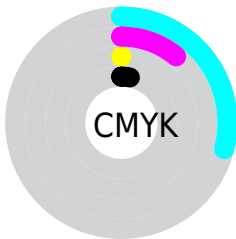
Blue (97%)



Red (69%)

Yellow (80%)

Blue (97%)

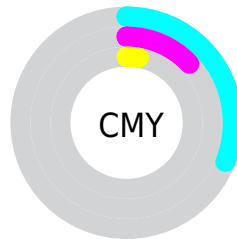


Cyan (29%)

Magenta (11%)

Yellow (0%)

Black (3%)



Cyan (31%)

Magenta (13%)

Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 67.7203, 0.2673, 0.2982 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 67.7203, 0.2673, 0.2982 by changing the saturation by 10% instead.

■ 67.7203, 0.2673,
0.2982

■ 67.7203, 0.2673,
0.2982

452.5044, 0.2882,
0.3128

■ 49.6702, 0.2626,
0.2948

■ 115.9519, 0.2745,
0.3033

■ 35.1514, 0.2567,
0.2906

146.9023, 0.2774,
0.3053

■ 23.7796, 0.2493,
0.2851

182.9215, 0.2798,
0.3070

■ 15.1702, 0.2398,
0.2780

224.3939, 0.2819,
0.3085

■ 8.9389, 0.2269,
0.2682

271.7041, 0.2838,
0.3098

■ 4.7014, 0.2088,
0.2538

325.2363, 0.2854,

■ 2.0731, 0.1815,

0.3109

0.2313

385.3749, 0.2869,
0.3119

0.6494, 0.1206,
0.1910

0.0000, 0.0000,
0.0000

67.7203, 0.2673,
0.2982

67.7203, 0.2673,
0.2982

60.3170, 0.2520,
0.2856

75.9290, 0.2830,
0.3098

53.6777, 0.2374,
0.2722

84.9657, 0.2987,
0.3204

47.7692, 0.2241,
0.2581

94.8621, 0.3142,
0.3299

42.5519, 0.2123,
0.2436

99.5570, 0.3168,
0.3357

■ 37.9808, 0.2025,
0.2289

■ 34.0039, 0.1948,
0.2143

■ 30.5449, 0.1891,
0.2002

■ 30.2281, 0.1886,
0.1988

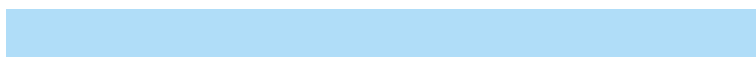
Harmonies

Analogous

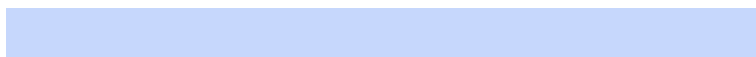
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



67.7203, 0.2684, 0.3164



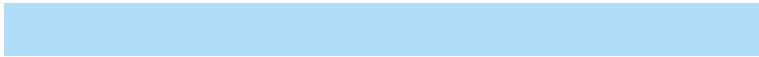
67.7203, 0.2673, 0.2982



67.7203, 0.2777, 0.2890

Triad

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



67.7203, 0.2673, 0.2982



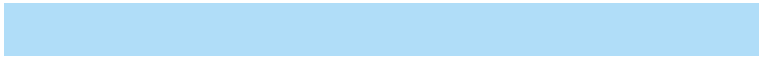
67.7203, 0.3450, 0.3181



67.7203, 0.3266, 0.3715

Complementary

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



67.7203, 0.2673, 0.2982



65.7975, 0.3692, 0.3578

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.



67.7203, 0.3480, 0.3702



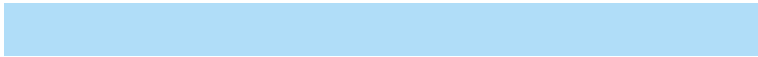
67.7203, 0.2673, 0.2982



67.7203, 0.3591, 0.3387

Square

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



67.7203, 0.2673, 0.2982



67.7203, 0.3222, 0.3006



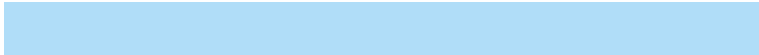
67.7203, 0.3601, 0.3578



67.7203, 0.3020, 0.3601

Rectangle

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



67.7203, 0.2673, 0.2982



67.7203, 0.2901, 0.2886



67.7203, 0.3601, 0.3578



67.7203, 0.3344, 0.3725

Sweetspot

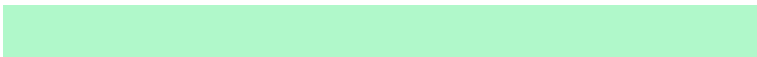
The Sweet Spot groups the original color and five complimentary colors.



67.7230, 0.2673, 0.2982



90.5371, 0.2987, 0.3204



80.6451, 0.2944, 0.3818



19.0663, 0.2965, 0.3189



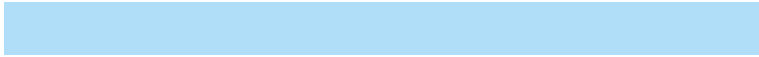
0.0000, 0.0000, 0.0000



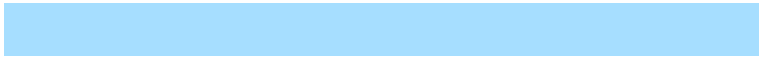
21.4041, 0.3127, 0.3290

Same Dimension

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



67.7230, 0.2673, 0.2982



67.2993, 0.2580, 0.2907



50.9568, 0.2627, 0.2559



18.4510, 0.2980, 0.3199



16.6084, 0.1892, 0.2011



1.7418, 0.1939, 0.2180

Inverse Universe

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



56.2273, 0.3377, 0.2822



53.6910, 0.3446, 0.2722



84.4699, 0.3592, 0.3929



17.4077, 0.3196, 0.3143



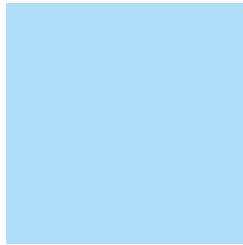
12.0875, 0.4440, 0.2220



1.1401, 0.4253, 0.2117

Previews

White Background



This preview shows how the Yxy color 67.7203, 0.2673, 0.2982 looks on a white background.

Color Contrast Check

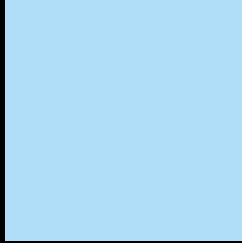
Large Text (above 18pt) WCAG AA × Fail

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 67.7203, 0.2673, 0.2982 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

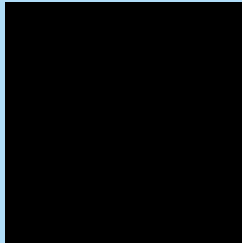
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

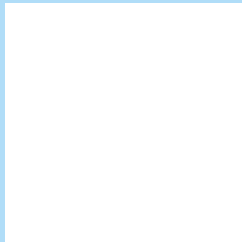
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 67.7203, 0.2673, 0.2982

Background



This preview shows how black text looks on a background with the Yxy color 67.7203, 0.2673, 0.2982.



This preview shows how white text looks on a background with the Yxy color 67.7203, 0.2673, 0.2982.

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

67.7203, 0.2673, 0.2982

Protanopia

67.5546, 0.2910, 0.2973

Deuteranopia

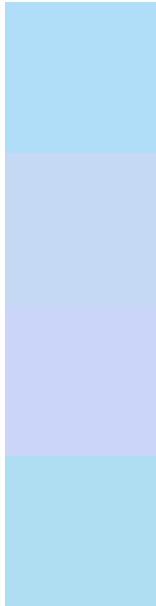
67.2548, 0.2913, 0.2853



Tritanopia

67.5325, 0.2706, 0.3081

Trichromacy



Original Color

67.7203, 0.2673, 0.2982

Protanomaly

67.5137, 0.2819, 0.2978

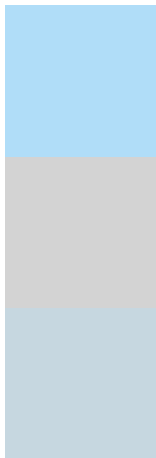
Deuteranomaly

66.9846, 0.2820, 0.2895

Tritanomaly

67.8276, 0.2695, 0.3048

Monochromacy



Original Color

67.7203, 0.2673, 0.2982

Achromatopsia

65.1406, 0.3127, 0.3290

Achromatomaly

65.9885, 0.2948, 0.3187

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.7203, 0.2673, 0.2982 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(176, 221, 248)` looks like.

```
.text, #text, p{  
    color:rgb(176, 221, 248)  
}
```

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(176, 221, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 221, 248) }
```

Border

The CSS property to change the border of an element to Yxy 67.7203, 0.2673, 0.2982 is called "border". The border property can be set on classes, ids or directly on the HTML element.

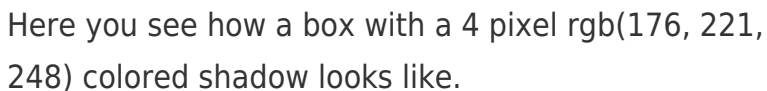
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(176, 221, 248) }
```

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

```
.border{ border-color:rgb(176, 221, 248) }
```

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



Here you see how a box with a 4 pixel `rgb(176, 221, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(176, 221, 248); -webkit-box-shadow:4px 4px 4px 4px rgb(176, 221, 248); box-shadow:4px 4px 4px 4px rgb(176, 221, 248) }
```


Background

The CSS property to change the background color of an element to Yxy 67.7203, 0.2673, 0.2982 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 221, 248) }
```

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

```
.background{ background-color: rgb(176,  
221, 248) }
```

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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