

Converting Colors

$Yxy(68.6533, 0.2710, 0.2961)$

Have a look what the booklet for
Yxy(68.6533, 0.2710, 0.2961)
contains.

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Color

Yxy(68.8054, 0.2709, 0.2965)

Conversions

Conversions Part 1

Format	Color
Hex	B8DDFA
RGB	184, 221, 250
RGB Percent	72%, 87%, 98%
CMY	0.2787, 0.1332, 0.0197
CMYK	0.26, 0.12, 0.00, 0.02
HSL	206°, 87%, 85%
HSV	206°, 26%, 98%
XYZ	62.8647, 68.8054, 100.3886
YIQ	213.2430, -31.3610, 1.1750

Conversions

Conversions Part 2

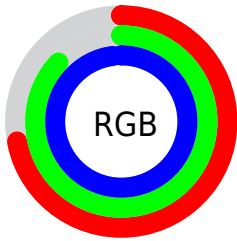
Format	Color
RYB	184, 208, 250
Decimal	12115450
CIELab	86.41, -5.77, -18.09
CIELCh	86, 18.992, 252.301
Yxy	68.8054, 0.2709, 0.2965
Android (android.graphics.Color)	4290305530 (0xFFB8DDFA)
YUV	213.2430, 18.1212, -25.6461
Hunter-Lab	82.9490, -9.8807, -13.6911

Details

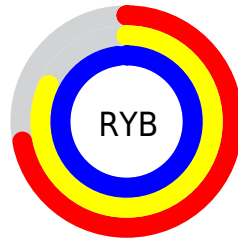
The Yxy color **68.8054, 0.2709, 0.2965** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **71.3133, 0.3620, 0.3594**, and the grayscale version is **66.5969, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.4408, 0.3041, 0.3290**, and **35.8685, 0.2618, 0.2893** is the 20% darker color. If you saturate the color by 10%, you get **60.3893, 0.2549, 0.2819**, and if you desaturate by 10%, it is **78.1503, 0.2870, 0.3098**.

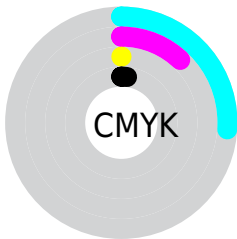
Distribution



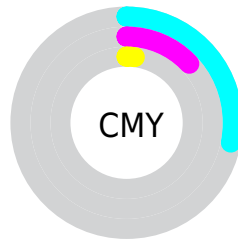
- Red (72%)
- Green (87%)
- Blue (98%)



- Red (72%)
- Yellow (82%)
- Blue (98%)



- Cyan (26%)
- Magenta (12%)
- Yellow (0%)
- Black (2%)



- Cyan (28%)
- Magenta (13%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 68.8054, 0.2709, 0.2965 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 68.8054, 0.2709, 0.2965 by changing the saturation by 10% instead.

■ 68.8054, 0.2709,
0.2965

■ 68.8054, 0.2709,
0.2965

456.3443, 0.2902,
0.3118

■ 50.5532, 0.2665,
0.2930

■ 117.5036, 0.2776,
0.3018

■ 35.8532, 0.2612,
0.2886

148.7184, 0.2802,
0.3039

■ 24.3208, 0.2544,
0.2831

185.0229, 0.2824,
0.3057

■ 15.5718, 0.2456,
0.2758

226.8015, 0.2844,
0.3072

■ 9.2217, 0.2338,
0.2658

274.4385, 0.2861,
0.3085

■ 4.8860, 0.2171,
0.2515

328.3184, 0.2876,

■ 2.1806, 0.1919,

0.3097

0.2292

388.8255, 0.2890,
0.3108

0.7094, 0.1431,
0.1903

0.0000, 0.0000,
0.0000

68.8054, 0.2709,
0.2965

68.8054, 0.2709,
0.2965

60.3893, 0.2549,
0.2819

78.1503, 0.2870,
0.3098

52.8578, 0.2394,
0.2663

88.4493, 0.3028,
0.3219

46.1750, 0.2248,
0.2498

98.9829, 0.3157,
0.3328

40.2985, 0.2116,
0.2326

99.6806, 0.3156,
0.3338

■ 35.1812, 0.2003,
0.2153

■ 30.7689, 0.1911,
0.1982

■ 26.9954, 0.1843,
0.1817

■ 25.7652, 0.1822,
0.1759

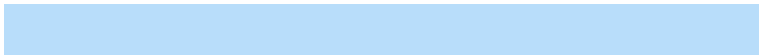
Harmonies

Analogous

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



68.8054, 0.2691, 0.3120



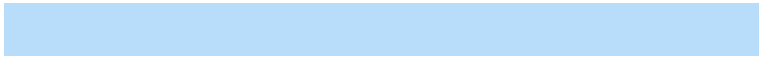
68.8054, 0.2709, 0.2965



68.8054, 0.2834, 0.2902

Triad

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



68.8054, 0.2709, 0.2965



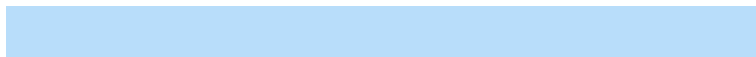
68.8054, 0.3479, 0.3235



68.8054, 0.3200, 0.3677

Complementary

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



68.8054, 0.2709, 0.2965



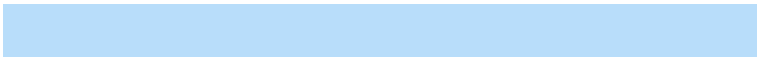
71.3133, 0.3620, 0.3594

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.



68.8054, 0.3418, 0.3697



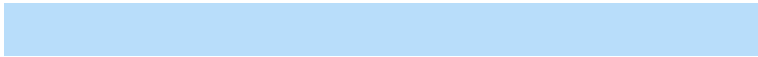
68.8054, 0.2709, 0.2965



68.8054, 0.3584, 0.3433

Square

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



68.8054, 0.2709, 0.2965



68.8054, 0.3278, 0.3057



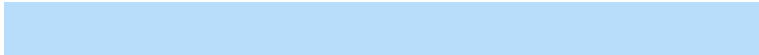
68.8054, 0.3561, 0.3603



68.8054, 0.2969, 0.3541

Rectangle

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



68.8054, 0.2709, 0.2965



68.8054, 0.2966, 0.2914



68.8054, 0.3561, 0.3603



68.8054, 0.3278, 0.3698

Sweetspot

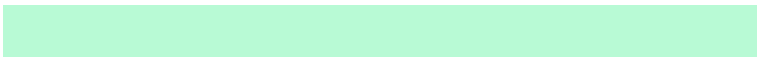
The Sweet Spot groups the original color and five complimentary colors.



68.8082, 0.2709, 0.2965



90.7594, 0.3003, 0.3201



83.3206, 0.2935, 0.3712



19.0702, 0.2979, 0.3183



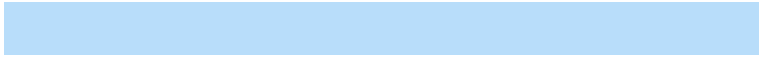
0.0000, 0.0000, 0.0000



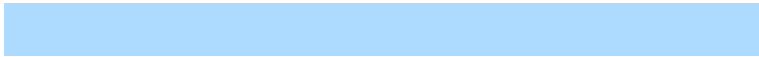
21.4041, 0.3127, 0.3290

Same Dimension

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



68.8082, 0.2709, 0.2965



66.9285, 0.2619, 0.2885



53.1971, 0.2672, 0.2582



18.2602, 0.2980, 0.3183



13.9613, 0.1830, 0.1786



1.5042, 0.1884, 0.1981

Inverse Universe

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



59.7977, 0.3384, 0.2907



56.4269, 0.3455, 0.2822



89.4299, 0.3538, 0.3912



17.3885, 0.3206, 0.3158



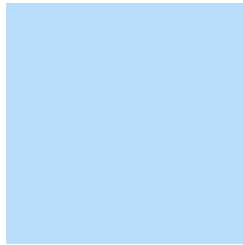
11.8203, 0.4702, 0.2364



1.1161, 0.4474, 0.2238

Previews

White Background



This preview shows how the Yxy color 68.8054, 0.2709, 0.2965 looks on a white background.

Color Contrast Check

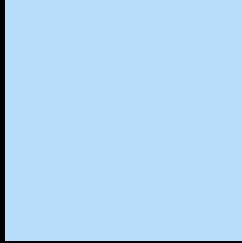
Large Text (above 18pt) WCAG AA × Fail

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 68.8054, 0.2709, 0.2965 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

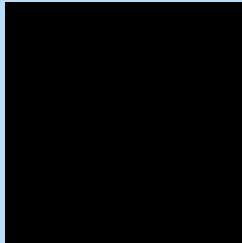
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

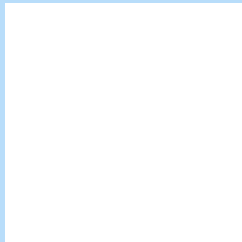
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 68.8054, 0.2709, 0.2965

Background



This preview shows how black text looks on a background with the Yxy color 68.8054, 0.2709, 0.2965.

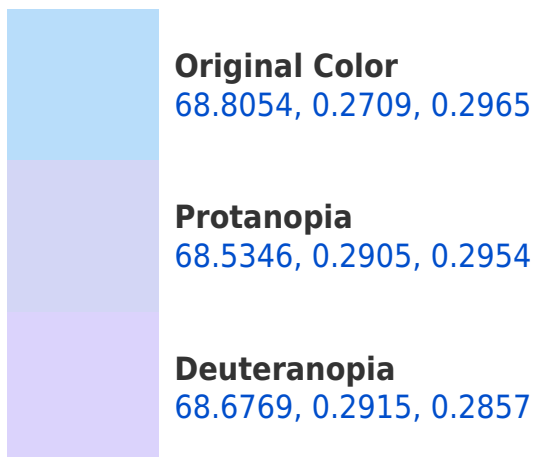


This preview shows how white text looks on a background with the Yxy color 68.8054, 0.2709, 0.2965.

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

69.0117, 0.2754, 0.3096

Trichromacy



Original Color

68.8054, 0.2709, 0.2965

Protanomaly

68.7586, 0.2828, 0.2961

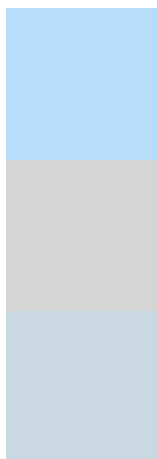
Deuteranomaly

68.6877, 0.2836, 0.2900

Tritanomaly

68.8415, 0.2737, 0.3040

Monochromacy



Original Color

68.8054, 0.2709, 0.2965

Achromatopsia

66.5387, 0.3127, 0.3290

Achromatomaly

67.1593, 0.2963, 0.3177

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.8054, 0.2709, 0.2965 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(184, 221, 250)` looks like.

```
.text, #text, p{  
    color:rgb(184, 221, 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(184, 221, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 221, 250) }
```

Border

The CSS property to change the border of an element to Yxy 68.8054, 0.2709, 0.2965 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(184, 221, 250) }
```

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

```
.border{ border-color:rgb(184, 221, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 221, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 221, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 221, 250);  
box-shadow:4px 4px 4px 4px rgb(184, 221,  
250) }
```


Background

The CSS property to change the background color of an element to Yxy 68.8054, 0.2709, 0.2965 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 221, 250) }
```

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

```
.background{ background-color: rgb(184,  
221, 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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