

Converting Colors

$Yxy(68.0639, 0.2711, 0.2971)$

Have a look what the booklet for
Yxy(68.0639, 0.2711, 0.2971)
contains.

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Color

Yxy(68.0310, 0.2713, 0.2974)

Conversions

Conversions Part 1

Format	Color
Hex	B7DCF8
RGB	183, 220, 248
RGB Percent	72%, 86%, 97%
CMY	0.2824, 0.1372, 0.0275
CMYK	0.26, 0.11, 0.00, 0.03
HSL	206°, 82%, 85%
HSV	206°, 26%, 97%
XYZ	62.0606, 68.0310, 98.6610
YIQ	212.1290, -31.0400, 0.8640

Conversions

Conversions Part 2

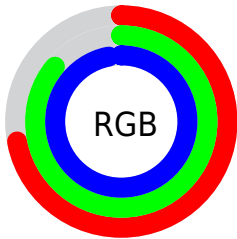
Format	Color
RYB	183, 207, 248
Decimal	12049656
CIELab	86.02, -5.98, -17.63
CIELCh	86, 18.620, 251.277
Yxy	68.0310, 0.2713, 0.2974
Android (android.graphics.Color)	4290239736 (0xFFB7DCF8)
YUV	212.1290, 17.6844, -25.5461
Hunter-Lab	82.4809, -10.0340, -13.1841

Details

The Yxy color **68.0310, 0.2713, 0.2974** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **69.9460, 0.3616, 0.3586**, and the grayscale version is **65.8236, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.2653, 0.3035, 0.3290**, and **35.3832, 0.2616, 0.2890** is the 20% darker color. If you saturate the color by 10%, you get **59.8301, 0.2554, 0.2832**, and if you desaturate by 10%, it is **77.1309, 0.2873, 0.3105**.

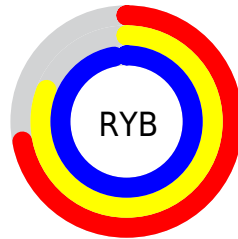
Distribution



Red (72%)

Green (86%)

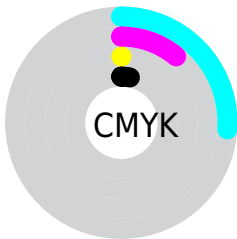
Blue (97%)



Red (72%)

Yellow (81%)

Blue (97%)

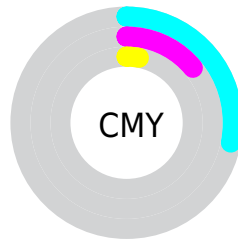


Cyan (26%)

Magenta (11%)

Yellow (0%)

Black (3%)



Cyan (28%)

Magenta (14%)

Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 68.0310, 0.2713, 0.2974 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 68.0310, 0.2713, 0.2974 by changing the saturation by 10% instead.

■ 68.0310, 0.2713,
0.2974

■ 68.0310, 0.2713,
0.2974

453.6058, 0.2904,
0.3123

■ 49.9230, 0.2670,
0.2940

■ 116.3965, 0.2779,
0.3026

■ 35.3522, 0.2616,
0.2897

147.4227, 0.2805,
0.3046

■ 23.9343, 0.2548,
0.2842

183.5238, 0.2827,
0.3063

■ 15.2849, 0.2461,
0.2771

225.0841, 0.2847,
0.3078

■ 9.0196, 0.2342,
0.2672

272.4881, 0.2864,
0.3092

■ 4.7539, 0.2174,
0.2530

326.1201, 0.2879,

■ 2.1036, 0.1921,

0.3103

0.2308

386.3646, 0.2892,
0.3114

0.6667, 0.1396,
0.1908

0.0000, 0.0000,
0.0000

68.0310, 0.2713,
0.2974

68.0310, 0.2713,
0.2974

59.8301, 0.2554,
0.2832

77.1309, 0.2873,
0.3105

52.4853, 0.2400,
0.2678

87.1542, 0.3031,
0.3223

45.9618, 0.2255,
0.2516

97.6796, 0.3169,
0.3329

40.2186, 0.2124,
0.2349

99.5569, 0.3168,
0.3357

■ 35.2100, 0.2011,
0.2179

■ 30.8835, 0.1920,
0.2011

■ 27.1753, 0.1852,
0.1848

■ 25.8985, 0.1830,
0.1789

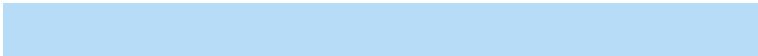
Harmonies

Analogous

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



68.0310, 0.2699, 0.3129



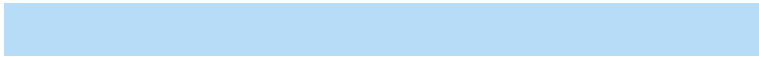
68.0310, 0.2713, 0.2974



68.0310, 0.2833, 0.2908

Triad

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



68.0310, 0.2713, 0.2974



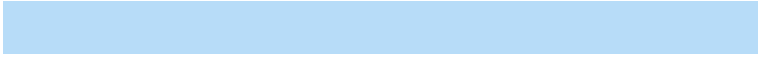
68.0310, 0.3468, 0.3229



68.0310, 0.3207, 0.3674

Complementary

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



68.0310, 0.2713, 0.2974



69.9460, 0.3616, 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.



68.0310, 0.3420, 0.3689



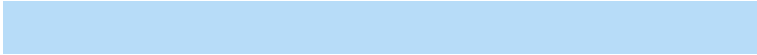
68.0310, 0.2713, 0.2974



68.0310, 0.3575, 0.3424

Square

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



68.0310, 0.2713, 0.2974



68.0310, 0.3267, 0.3055



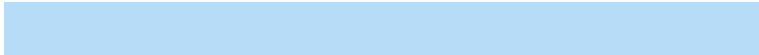
68.0310, 0.3557, 0.3593



68.0310, 0.2979, 0.3543

Rectangle

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



68.0310, 0.2713, 0.2974



68.0310, 0.2961, 0.2918



68.0310, 0.3557, 0.3593



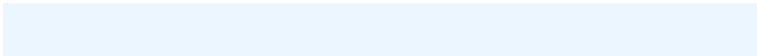
68.0310, 0.3283, 0.3692

Sweetspot

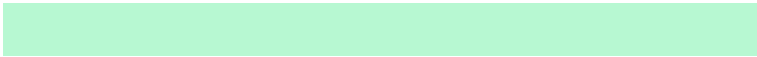
The Sweet Spot groups the original color and five complimentary colors.



68.0337, 0.2713, 0.2974



90.8588, 0.3003, 0.3202



81.8529, 0.2942, 0.3721



19.0952, 0.2979, 0.3185



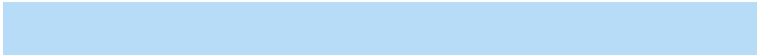
0.0000, 0.0000, 0.0000



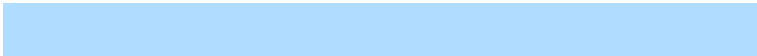
21.4041, 0.3127, 0.3290

Same Dimension

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



68.0337, 0.2713, 0.2974



68.1426, 0.2636, 0.2907



52.9804, 0.2678, 0.2601



18.2841, 0.2980, 0.3185



14.2754, 0.1837, 0.1814



1.5327, 0.1891, 0.2006

Inverse Universe

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



58.9834, 0.3377, 0.2905



57.5101, 0.3437, 0.2831



87.2213, 0.3537, 0.3896



17.3909, 0.3204, 0.3156



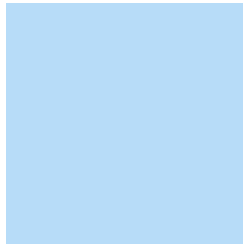
11.8520, 0.4669, 0.2346



1.1190, 0.4446, 0.2223

Previews

White Background



This preview shows how the Yxy color 68.0310, 0.2713, 0.2974 looks on a white background.

Color Contrast Check

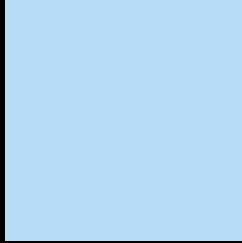
Large Text (above 18pt) WCAG AA × Fail

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 68.0310, 0.2713, 0.2974 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

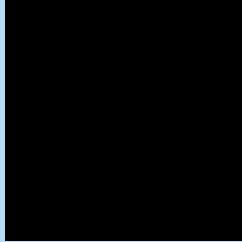
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

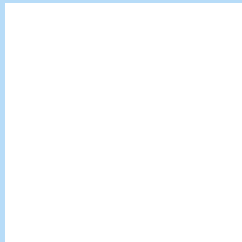
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 68.0310, 0.2713, 0.2974

Background



This preview shows how black text looks on a background with the Yxy color 68.0310, 0.2713, 0.2974.



This preview shows how white text looks on a background with the Yxy color 68.0310, 0.2713, 0.2974.

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

68.0310, 0.2713, 0.2974

Protanopia

67.7612, 0.2910, 0.2963

Deuteranopia

67.4085, 0.2920, 0.2854



Tritanopia

67.7687, 0.2752, 0.3083

Trichromacy



Original Color

68.0310, 0.2713, 0.2974

Protanomaly

67.9837, 0.2833, 0.2970

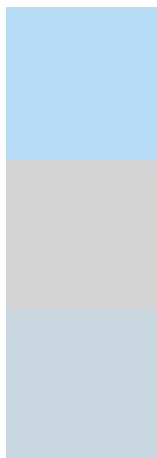
Deuteranomaly

67.4072, 0.2840, 0.2898

Tritanomaly

68.0688, 0.2741, 0.3050

Monochromacy



Original Color

68.0310, 0.2713, 0.2974

Achromatopsia

65.8375, 0.3127, 0.3290

Achromatomaly

66.4546, 0.2962, 0.3176

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.0310, 0.2713, 0.2974 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(183, 220, 248)` looks like.

```
.text, #text, p{  
    color:rgb(183, 220, 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(183, 220, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 220, 248) }
```

Border

The CSS property to change the border of an element to Yxy 68.0310, 0.2713, 0.2974 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(183, 220, 248) }
```

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

```
.border{ border-color:rgb(183, 220, 248) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 220, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 220, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 220, 248);  
box-shadow:4px 4px 4px 4px rgb(183, 220,  
248) }
```


Background

The CSS property to change the background color of an element to Yxy 68.0310, 0.2713, 0.2974 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 220, 248) }
```

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

```
.background{ background-color: rgb(183,  
220, 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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