

Converting Colors

$Yxy(68.3553, 0.2698, 0.3045)$

Have a look what the booklet for
Yxy(68.3553, 0.2698, 0.3045)
contains.

Yxy(68.5371, 0.2697, 0.3049)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(68.5371, 0.2697, 0.3049)

Conversions

Conversions Part 1

Format	Color
Hex	B0DFF4
RGB	176, 223, 244
RGB Percent	69%, 87%, 96%
CMY	0.3097, 0.1255, 0.0431
CMYK	0.28, 0.09, 0.00, 0.04
HSL	199°, 76%, 82%
HSV	199°, 28%, 96%
XYZ	60.6247, 68.5371, 95.6238
YIQ	211.3410, -34.7530, -3.4330

Conversions

Conversions Part 2

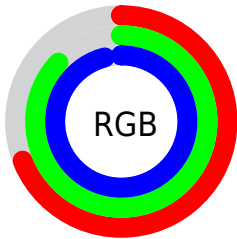
Format	Color
R _Y B	176, 204, 244
Decimal	11591668
CIE Lab	86.27, -10.44, -15.19
CIE LCh	86, 18.432, 235.514
Yxy	68.5371, 0.2697, 0.3049
Android (android.graphics.Color)	4289781748 (0xFFB0DFF4)
YUV	211.3410, 16.1009, -30.9941
Hunter-Lab	82.7871, -14.1627, -10.5323

Details

The Yxy color **68.5371, 0.2697, 0.3049** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **62.3132, 0.3677, 0.3518**, and the grayscale version is **65.2913, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.0636, 0.2993, 0.3290**, and **35.7737, 0.2598, 0.2988** is the 20% darker color. If you saturate the color by 10%, you get **62.0069, 0.2549, 0.2948**, and if you desaturate by 10%, it is **75.7634, 0.2850, 0.3143**.

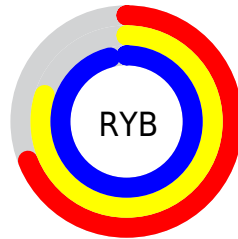
Distribution



Red (69%)

Green (87%)

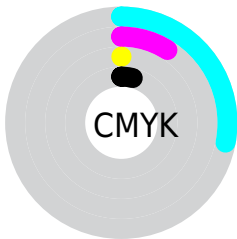
Blue (96%)



Red (69%)

Yellow (80%)

Blue (96%)

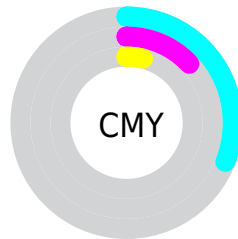


Cyan (28%)

Magenta (9%)

Yellow (0%)

Black (4%)



Cyan (31%)

Magenta (13%)

Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 68.5371, 0.2697, 0.3049 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 68.5371, 0.2697, 0.3049 by changing the saturation by 10% instead.

■ 68.5371, 0.2697,
0.3049

■ 68.5371, 0.2697,
0.3049

455.3966, 0.2895,
0.3164

■ 50.3348, 0.2652,
0.3022

■ 117.1202, 0.2766,
0.3090

■ 35.6795, 0.2597,
0.2988

148.2698, 0.2792,
0.3105

■ 24.1868, 0.2527,
0.2945

184.5039, 0.2815,
0.3118

■ 15.4722, 0.2437,
0.2887

226.2070, 0.2835,
0.3130

■ 9.1515, 0.2315,
0.2807

273.7634, 0.2853,
0.3140

■ 4.8401, 0.2142,
0.2690

327.5575, 0.2869,

■ 2.1538, 0.1881,

0.3149

0.2501

387.9738, 0.2883,
0.3157

0.6946, 0.1269,
0.2174

0.0000, 0.0000,
0.0000

68.5371, 0.2697,
0.3049

68.5371, 0.2697,
0.3049

62.0069, 0.2549,
0.2948

75.7634, 0.2850,
0.3143

56.1348, 0.2410,
0.2839

83.7051, 0.3005,
0.3229

50.8913, 0.2284,
0.2726

92.3909, 0.3160,
0.3306

46.2408, 0.2174,
0.2609

98.1404, 0.3192,
0.3378

■ 42.1429, 0.2083,
0.2490

■ 99.3119, 0.3191,
0.3395

■ 38.5505, 0.2013,
0.2371

■ 35.4008, 0.1962,
0.2255

■ 34.7653, 0.1953,
0.2230

Harmonies

Analogous

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



68.5371, 0.2741, 0.3237



68.5371, 0.2697, 0.3049



68.5371, 0.2762, 0.2935

Triad

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



68.5371, 0.2697, 0.3049



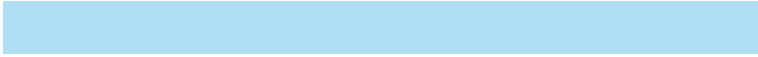
68.5371, 0.3368, 0.3135



68.5371, 0.3323, 0.3692

Complementary

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



68.5371, 0.2697, 0.3049



62.3132, 0.3677, 0.3518

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.



68.5371, 0.3500, 0.3646



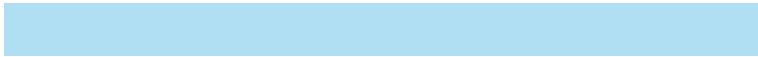
68.5371, 0.2697, 0.3049



68.5371, 0.3528, 0.3322

Square

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



68.5371, 0.2697, 0.3049



68.5371, 0.3145, 0.2989



68.5371, 0.3577, 0.3508



68.5371, 0.3097, 0.3620

Rectangle

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



68.5371, 0.2697, 0.3049



68.5371, 0.2861, 0.2911



68.5371, 0.3577, 0.3508



68.5371, 0.3390, 0.3689

Sweetspot

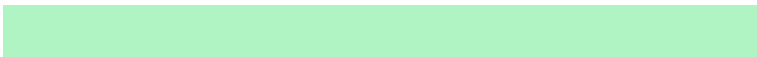
The Sweet Spot groups the original color and five complimentary colors.



68.5398, 0.2697, 0.3049



92.3785, 0.3003, 0.3227



77.9409, 0.2976, 0.3848



19.4787, 0.2980, 0.3215



0.0000, 0.0000, 0.0000



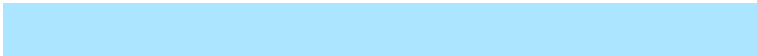
21.4041, 0.3127, 0.3290

Same Dimension

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



68.5398, 0.2697, 0.3049



71.9002, 0.2619, 0.2997



52.4260, 0.2656, 0.2649



17.8433, 0.2980, 0.3215



19.1566, 0.1958, 0.2249



1.8657, 0.1999, 0.2395

Inverse Universe

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



55.6205, 0.3327, 0.2797



55.9864, 0.3375, 0.2703



79.1900, 0.3584, 0.3858



16.6760, 0.3185, 0.3128



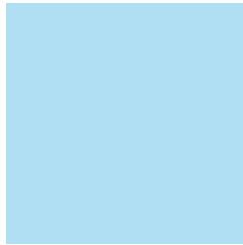
12.0332, 0.4181, 0.2077



1.0760, 0.4029, 0.1993

Previews

White Background



This preview shows how the Yxy color 68.5371, 0.2697, 0.3049 looks on a white background.

Color Contrast Check

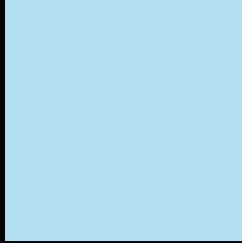
Large Text (above 18pt) WCAG AA × Fail

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 68.5371, 0.2697, 0.3049 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

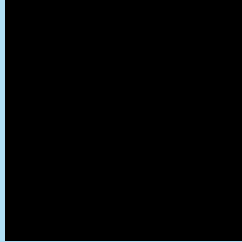
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 68.5371, 0.2697, 0.3049

Background



This preview shows how black text looks on a background with the Yxy color 68.5371, 0.2697, 0.3049.

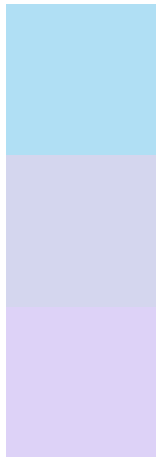


This preview shows how white text looks on a background with the Yxy color 68.5371, 0.2697, 0.3049.

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

68.5371, 0.2697, 0.3049

Protanopia

68.2632, 0.2955, 0.3028

Deuteranopia

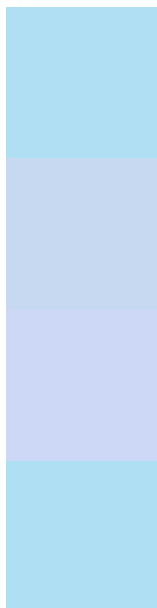
68.1807, 0.2960, 0.2897



Tritanopia

68.2402, 0.2707, 0.3082

Trichromacy



Original Color

68.5371, 0.2697, 0.3049

Protanomaly

68.0591, 0.2857, 0.3034

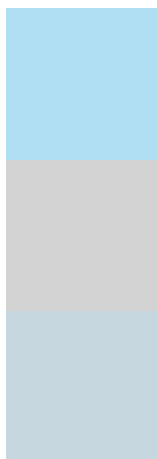
Deuteranomaly

68.2338, 0.2859, 0.2951

Tritanomaly

68.3001, 0.2702, 0.3071

Monochromacy



Original Color

68.5371, 0.2697, 0.3049

Achromatopsia

65.1406, 0.3127, 0.3290

Achromatomaly

65.9344, 0.2954, 0.3198

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.5371, 0.2697, 0.3049 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, 223, 244)` looks like.

```
.text, #text, p{  
    color:rgb(176, 223, 244)  
}
```

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, 223, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 223, 244) }
```

Border

The CSS property to change the border of an element to Yxy 68.5371, 0.2697, 0.3049 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, 223, 244) }
```

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

```
.border{ border-color:rgb(176, 223, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 223, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(176, 223, 244); -webkit-box-shadow:4px 4px 4px 4px rgb(176, 223, 244); box-shadow:4px 4px 4px 4px rgb(176, 223, 244) }
```


Background

The CSS property to change the background color of an element to Yxy 68.5371, 0.2697, 0.3049 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 223, 244) }
```

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

```
.background{ background-color: rgb(176,  
223, 244) }
```

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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