

Converting Colors

$Yxy(70.3443, 0.2661, 0.3002)$

Have a look what the booklet for
Yxy(70.3443, 0.2661, 0.3002)
contains.

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Color

Yxy(70.5879, 0.2664, 0.3008)

Conversions

Conversions Part 1

Format	Color
Hex	B0E2FB
RGB	176, 226, 251
RGB Percent	69%, 89%, 98%
CMY	0.3096, 0.1137, 0.0158
CMYK	0.30, 0.10, 0.00, 0.02
HSL	200°, 90%, 84%
HSV	200°, 30%, 98%
XYZ	62.5153, 70.5879, 101.5640
YIQ	213.9000, -37.8250, -2.8250

Conversions

Conversions Part 2

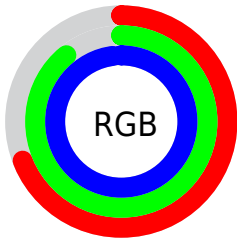
Format	Color
RYB	176, 206, 251
Decimal	11592443
CIELab	87.28, -10.36, -17.34
CIElCh	87, 20.198, 239.137
Yxy	70.5879, 0.2664, 0.3008
Android (android.graphics.Color)	4289782523 (0xFFB0E2FB)
YUV	213.9000, 18.2903, -33.2383
Hunter-Lab	84.0166, -14.2102, -12.8614

Details

The Yxy color **70.5879, 0.2664, 0.3008** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **65.4146, 0.3722, 0.3555**, and the grayscale version is **67.0740, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.0636, 0.2993, 0.3290**, and **37.0858, 0.2559, 0.2949** is the 20% darker color. If you saturate the color by 10%, you get **63.4924, 0.2515, 0.2896**, and if you desaturate by 10%, it is **78.4516, 0.2818, 0.3111**.

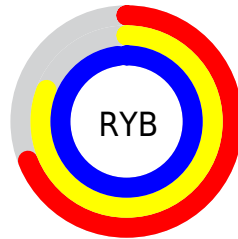
Distribution



Red (69%)

Green (89%)

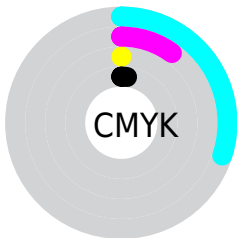
Blue (98%)



Red (69%)

Yellow (81%)

Blue (98%)

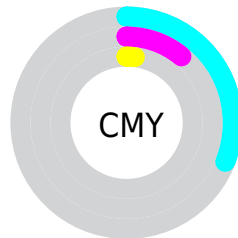


Cyan (30%)

Magenta (10%)

Yellow (0%)

Black (2%)



Cyan (31%)

Magenta (11%)

Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 70.5879, 0.2664, 0.3008 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 70.5879, 0.2664, 0.3008 by changing the saturation by 10% instead.

70.5879, 0.2664,
0.3008

70.5879, 0.2664,
0.3008

462.6115, 0.2876,
0.3141

52.0060, 0.2616,
0.2977

120.0468, 0.2737,
0.3055

37.0098, 0.2558,
0.2938

151.6925, 0.2765,
0.3073

25.2151, 0.2485,
0.2889

188.4616, 0.2790,
0.3088

16.2374, 0.2390,
0.2824

230.7384, 0.2812,
0.3102

9.6923, 0.2263,
0.2735

278.9075, 0.2831,
0.3114

5.1954, 0.2086,
0.2605

333.3531, 0.2847,

2.3624, 0.1823,

0.3124

0.2402

394.4596, 0.2862,
0.3133

0.8064, 0.1315,
0.2065

0.0000, 0.0000,
0.0000

70.5879, 0.2664,
0.3008

70.5879, 0.2664,
0.3008

63.4924, 0.2515,
0.2896

78.4516, 0.2818,
0.3111

57.1238, 0.2376,
0.2777

87.1056, 0.2974,
0.3206

51.4488, 0.2249,
0.2653

96.5815, 0.3129,
0.3291

46.4278, 0.2139,
0.2525

99.7426, 0.3150,
0.3329

■ 42.0156, 0.2049,
0.2395

■ 38.1591, 0.1979,
0.2267

■ 34.7741, 0.1928,
0.2141

■ 34.7263, 0.1928,
0.2140

Harmonies

Analogous

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



70.5879, 0.2697, 0.3204



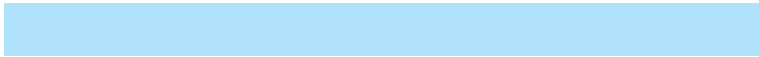
70.5879, 0.2664, 0.3008



70.5879, 0.2748, 0.2897

Triad

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



70.5879, 0.2664, 0.3008



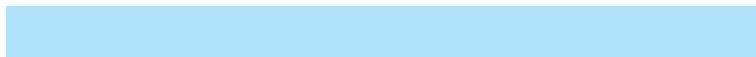
70.5879, 0.3414, 0.3144



70.5879, 0.3310, 0.3724

Complementary

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



70.5879, 0.2664, 0.3008



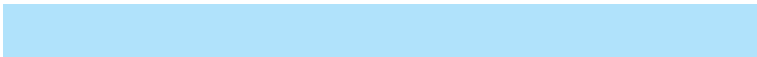
65.4146, 0.3722, 0.3555

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.



70.5879, 0.3513, 0.3688



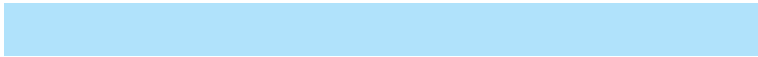
70.5879, 0.2664, 0.3008



70.5879, 0.3576, 0.3349

Square

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



70.5879, 0.2664, 0.3008



70.5879, 0.3176, 0.2980



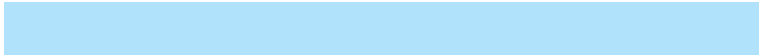
70.5879, 0.3612, 0.3547



70.5879, 0.3064, 0.3632

Rectangle

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



70.5879, 0.2664, 0.3008



70.5879, 0.2862, 0.2881



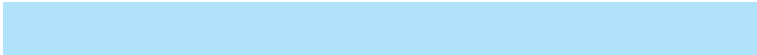
70.5879, 0.3612, 0.3547



70.5879, 0.3386, 0.3726

Sweetspot

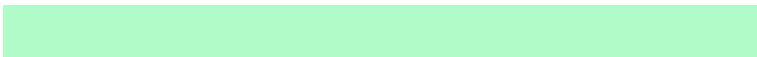
The Sweet Spot groups the original color and five complimentary colors.



70.5907, 0.2664, 0.3008



91.1220, 0.2987, 0.3213



82.3651, 0.2959, 0.3881



19.2107, 0.2965, 0.3200



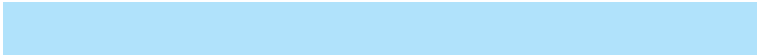
0.0000, 0.0000, 0.0000



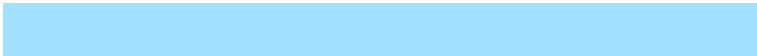
21.4041, 0.3127, 0.3290

Same Dimension

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



70.5907, 0.2664, 0.3008



68.5614, 0.2571, 0.2940



52.9293, 0.2616, 0.2579



18.5770, 0.2980, 0.3209



18.5387, 0.1934, 0.2160



1.9118, 0.1975, 0.2311

Inverse Universe

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



57.0612, 0.3361, 0.2778



52.9297, 0.3424, 0.2670



84.3384, 0.3617, 0.3912



17.4205, 0.3189, 0.3133



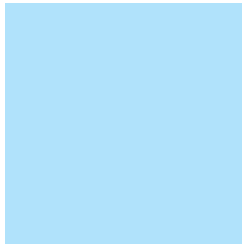
12.2824, 0.4275, 0.2129



1.1572, 0.4115, 0.2040

Previews

White Background



This preview shows how the Yxy color 70.5879, 0.2664, 0.3008 looks on a white background.

Color Contrast Check

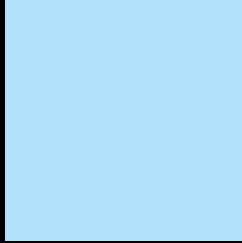
Large Text (above 18pt) WCAG AA × Fail

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 70.5879, 0.2664, 0.3008 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

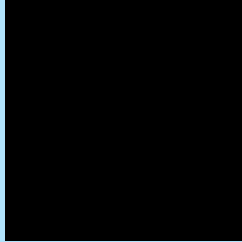
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 70.5879, 0.2664, 0.3008

Background



This preview shows how black text looks on a background with the Yxy color 70.5879, 0.2664, 0.3008.

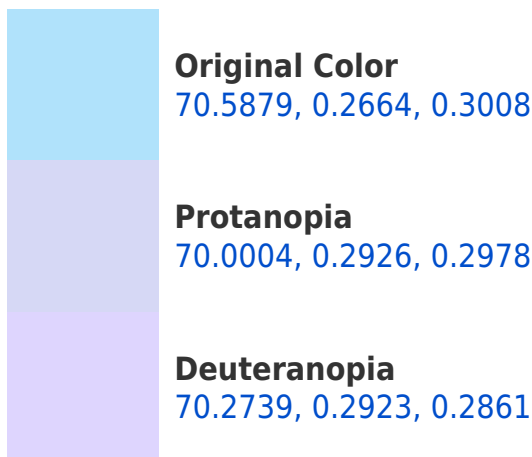


This preview shows how white text looks on a background with the Yxy color 70.5879, 0.2664, 0.3008.

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

70.6447, 0.2691, 0.3084

Trichromacy



Original Color

70.5879, 0.2664, 0.3008

Protanomaly

70.1812, 0.2824, 0.2994

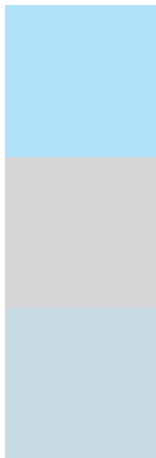
Deuteranomaly

70.2138, 0.2820, 0.2912

Tritanomaly

70.7675, 0.2680, 0.3062

Monochromacy



Original Color

70.5879, 0.2664, 0.3008

Achromatopsia

67.2443, 0.3127, 0.3290

Achromatomaly

67.9682, 0.2943, 0.3188

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.5879, 0.2664, 0.3008 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, 226, 251)` looks like.

```
.text, #text, p{  
    color:rgb(176, 226, 251)  
}
```

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, 226, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 226, 251) }
```

Border

The CSS property to change the border of an element to Yxy 70.5879, 0.2664, 0.3008 is called "border". The border property can be set on classes, ids or directly on the HTML element.

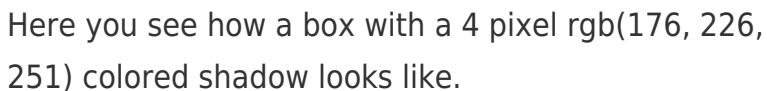
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(176, 226, 251) }
```

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

```
.border{ border-color:rgb(176, 226, 251) }
```

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



Here you see how a box with a 4 pixel `rgb(176, 226, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(176, 226, 251); -webkit-box-shadow:4px 4px 4px 4px rgb(176, 226, 251); box-shadow:4px 4px 4px 4px rgb(176, 226, 251) }
```


Background

The CSS property to change the background color of an element to Yxy 70.5879, 0.2664, 0.3008 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 226, 251) }
```

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

```
.background{ background-color: rgb(176,  
226, 251) }
```

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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