

Converting Colors

$Yxy(70.3092, 0.2693, 0.3019)$

Have a look what the booklet for
Yxy(70.3092, 0.2693, 0.3019)
contains.

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Color

Yxy(70.3933, 0.2696, 0.3019)

Conversions

Conversions Part 1

Format	Color
Hex	B4E1F9
RGB	180, 225, 249
RGB Percent	71%, 88%, 98%
CMY	0.2938, 0.1177, 0.0234
CMYK	0.28, 0.10, 0.00, 0.02
HSL	201°, 85%, 84%
HSV	201°, 28%, 98%
XYZ	62.8620, 70.3933, 99.9123
YIQ	214.2810, -34.5240, -2.0760

Conversions

Conversions Part 2

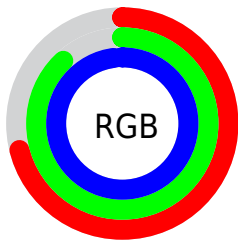
Format	Color
R _Y B	180, 207, 249
Decimal	11854329
CIE Lab	87.19, -9.15, -16.44
CIE LCh	87, 18.812, 240.896
Yxy	70.3933, 0.2696, 0.3019
Android (android.graphics.Color)	4290044409 (0xFFB4E1F9)
YUV	214.2810, 17.1165, -30.0644
Hunter-Lab	83.9007, -13.0865, -11.8744

Details

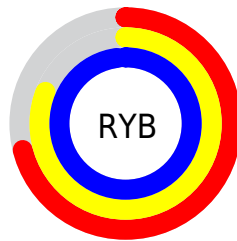
The Yxy color **70.3933, 0.2696, 0.3019** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **66.6821, 0.3665, 0.3545**, and the grayscale version is **67.3557, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.7445, 0.3017, 0.3290**, and **36.9597, 0.2591, 0.2950** is the 20% darker color. If you saturate the color by 10%, you get **63.0944, 0.2544, 0.2904**, and if you desaturate by 10%, it is **78.4735, 0.2852, 0.3125**.

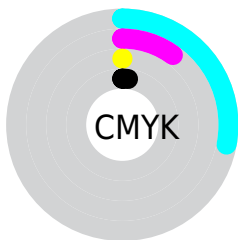
Distribution



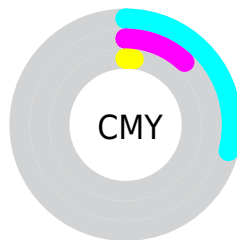
- Red (71%)
- Green (88%)
- Blue (98%)



- Red (71%)
- Yellow (81%)
- Blue (98%)



- Cyan (28%)
- Magenta (10%)
- Yellow (0%)
- Black (2%)



- Cyan (29%)
- Magenta (12%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 70.3933, 0.2696, 0.3019 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 70.3933, 0.2696, 0.3019 by changing the saturation by 10% instead.

70.3933, 0.2696,
0.3019

70.3933, 0.2696,
0.3019

461.9297, 0.2894,
0.3147

51.8472, 0.2651,
0.2989

119.7695, 0.2764,
0.3064

36.8833, 0.2597,
0.2952

151.3683, 0.2791,
0.3081

25.1172, 0.2528,
0.2905

188.0869, 0.2814,
0.3096

16.1644, 0.2439,
0.2843

230.3097, 0.2834,
0.3109

9.6405, 0.2319,
0.2757

278.4209, 0.2851,
0.3120

5.1613, 0.2152,
0.2633

332.8051, 0.2867,

2.3422, 0.1900,

0.3130

0.2438

393.8466, 0.2881,
0.3139

0.7959, 0.1413,
0.2109

0.0000, 0.0000,
0.0000

70.3933, 0.2696,
0.3019

70.3933, 0.2696,
0.3019

63.0944, 0.2544,
0.2904

78.4735, 0.2852,
0.3125

56.5361, 0.2401,
0.2781

87.3565, 0.3008,
0.3222

50.6861, 0.2269,
0.2651

97.0734, 0.3163,
0.3309

45.5059, 0.2153,
0.2517

99.6208, 0.3162,
0.3347

■ 40.9521, 0.2055,
0.2381

■ 36.9740, 0.1979,
0.2246

■ 33.5055, 0.1924,
0.2114

■ 32.7534, 0.1912,
0.2084

Harmonies

Analogous

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



70.3933, 0.2721, 0.3198



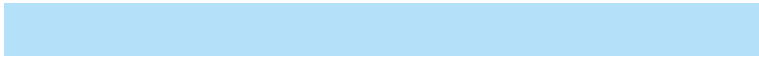
70.3933, 0.2696, 0.3019



70.3933, 0.2781, 0.2920

Triad

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



70.3933, 0.2696, 0.3019



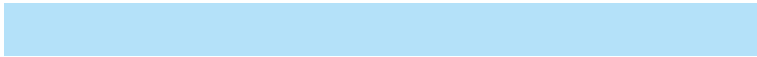
70.3933, 0.3406, 0.3165



70.3933, 0.3286, 0.3692

Complementary

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



70.3933, 0.2696, 0.3019



66.6821, 0.3665, 0.3545

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.



70.3933, 0.3478, 0.3667



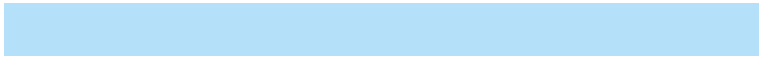
70.3933, 0.2696, 0.3019



70.3933, 0.3551, 0.3357

Square

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



70.3933, 0.2696, 0.3019



70.3933, 0.3187, 0.3007



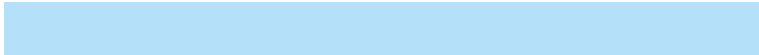
70.3933, 0.3577, 0.3541



70.3933, 0.3056, 0.3599

Rectangle

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



70.3933, 0.2696, 0.3019



70.3933, 0.2891, 0.2908



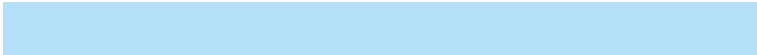
70.3933, 0.3577, 0.3541



70.3933, 0.3357, 0.3697

Sweetspot

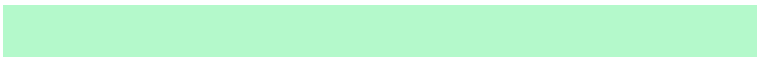
The Sweet Spot groups the original color and five complimentary colors.



70.3961, 0.2696, 0.3019



91.8800, 0.3003, 0.3219



81.7915, 0.2964, 0.3817



19.3528, 0.2980, 0.3205



0.0000, 0.0000, 0.0000



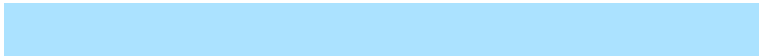
21.4041, 0.3127, 0.3290

Same Dimension

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



70.3961, 0.2696, 0.3019



70.0705, 0.2614, 0.2958



54.0640, 0.2656, 0.2625



18.5303, 0.2980, 0.3205



17.8055, 0.1918, 0.2105



1.8475, 0.1962, 0.2263

Inverse Universe

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



58.2534, 0.3348, 0.2827



55.8017, 0.3403, 0.2734



84.3180, 0.3576, 0.3877



17.4157, 0.3192, 0.3137



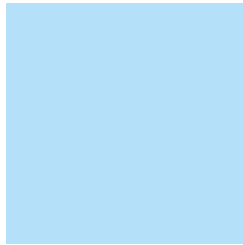
12.2084, 0.4336, 0.2162



1.1507, 0.4165, 0.2068

Previews

White Background



This preview shows how the Yxy color 70.3933, 0.2696, 0.3019 looks on a white background.

Color Contrast Check

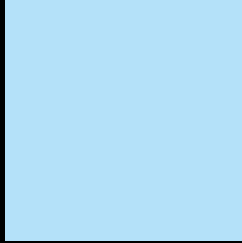
Large Text (above 18pt) WCAG AA × Fail

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 70.3933, 0.2696, 0.3019 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

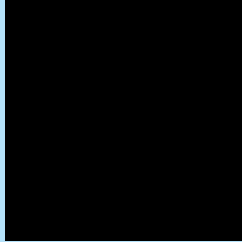
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 70.3933, 0.2696, 0.3019

Background



This preview shows how black text looks on a background with the Yxy color 70.3933, 0.2696, 0.3019.



This preview shows how white text looks on a background with the Yxy color 70.3933, 0.2696, 0.3019.

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

70.5081, 0.2718, 0.3085

Trichromacy



Original Color

70.3933, 0.2696, 0.3019

Protanomaly

69.8122, 0.2848, 0.3005

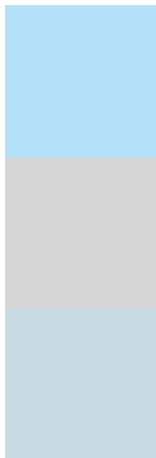
Deuteranomaly

69.8561, 0.2844, 0.2923

Tritanomaly

70.6302, 0.2707, 0.3063

Monochromacy



Original Color

70.3933, 0.2696, 0.3019

Achromatopsia

67.2443, 0.3127, 0.3290

Achromatomaly

68.2454, 0.2957, 0.3188

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.3933, 0.2696, 0.3019 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(180, 225, 249)` looks like.

```
.text, #text, p{  
    color:rgb(180, 225, 249)  
}
```

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(180, 225, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 225, 249) }
```

Border

The CSS property to change the border of an element to Yxy 70.3933, 0.2696, 0.3019 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(180, 225, 249) }
```

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

```
.border{ border-color:rgb(180, 225, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 225, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 225, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 225, 249);  
box-shadow:4px 4px 4px 4px rgb(180, 225,  
249) }
```


Background

The CSS property to change the background color of an element to Yxy 70.3933, 0.2696, 0.3019 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 225, 249) }
```

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

```
.background{ background-color: rgb(180,  
225, 249) }
```

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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