

Converting Colors

$Yxy(70.8432, 0.2753, 0.3152)$

Have a look what the booklet for
Yxy(70.8432, 0.2753, 0.3152)
contains.

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Color

Yxy(70.8735, 0.2752, 0.3152)

Conversions

Conversions Part 1

Format	Color
Hex	B4E3EF
RGB	180, 227, 239
RGB Percent	71%, 89%, 94%
CMY	0.2940, 0.1098, 0.0626
CMYK	0.25, 0.05, 0.00, 0.06
HSL	192°, 65%, 82%
HSV	192°, 25%, 94%
XYZ	61.8794, 70.8735, 92.0996
YIQ	214.3150, -31.8640, -6.2320

Conversions

Conversions Part 2

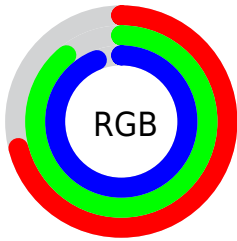
Format	Color
RYB	180, 206, 239
Decimal	11854831
CIELab	87.42, -12.44, -10.83
CIELCh	87, 16.494, 221.038
Yxy	70.8735, 0.2752, 0.3152
Android (android.graphics.Color)	4290044911 (0xFFB4E3EF)
YUV	214.3150, 12.1697, -30.0943
Hunter-Lab	84.1864, -16.1236, -5.9325

Details

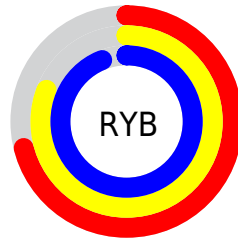
The Yxy color **70.8735, 0.2752, 0.3152** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **59.3788, 0.3616, 0.3424**, and the grayscale version is **67.4070, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.7445, 0.3017, 0.3290**, and **37.3596, 0.2668, 0.3124** is the 20% darker color. If you saturate the color by 10%, you get **65.6211, 0.2610, 0.3088**, and if you desaturate by 10%, it is **76.7018, 0.2901, 0.3212**.

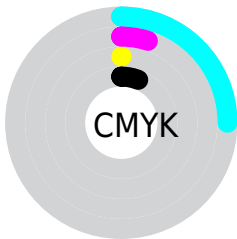
Distribution



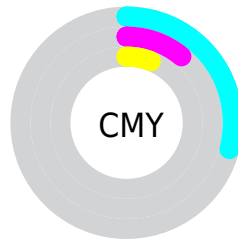
- Red (71%)
- Green (89%)
- Blue (94%)



- Red (71%)
- Yellow (81%)
- Blue (94%)



- Cyan (25%)
- Magenta (5%)
- Yellow (0%)
- Black (6%)



- Cyan (29%)
- Magenta (11%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 70.8735, 0.2752, 0.3152 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 70.8735, 0.2752, 0.3152 by changing the saturation by 10% instead.

70.8735, 0.2752,
0.3152

70.8735, 0.2752,
0.3152

463.6111, 0.2924,
0.3219

52.2390, 0.2713,
0.3136

120.4536, 0.2811,
0.3176

37.1956, 0.2665,
0.3116

152.1679, 0.2835,
0.3185

25.3590, 0.2605,
0.3091

189.0110, 0.2855,
0.3192

16.3447, 0.2526,
0.3056

231.3672, 0.2872,
0.3199

9.7684, 0.2420,
0.3008

279.6209, 0.2888,
0.3205

5.2457, 0.2270,
0.2936

334.1565, 0.2901,

2.3921, 0.2042,

0.3210

0.2817

395.3585, 0.2913,
0.3215

0.8218, 0.1527,
0.2628

0.0000, 0.0000,
0.0000

70.8735, 0.2752,
0.3152

70.8735, 0.2752,
0.3152

65.6211, 0.2610,
0.3088

76.7018, 0.2901,
0.3212

60.9101, 0.2479,
0.3019

83.1216, 0.3055,
0.3266

56.7150, 0.2362,
0.2948

90.1584, 0.3210,
0.3316

53.0047, 0.2262,
0.2874

93.7061, 0.3227,
0.3363

■ 49.7442, 0.2180,
0.2799

■ 96.7185, 0.3223,
0.3409

■ 46.8927, 0.2118,
0.2724

■ 99.0136, 0.3220,
0.3444

■ 44.4008, 0.2076,
0.2649

■ 43.1821, 0.2058,
0.2610

Harmonies

Analogous

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



70.8735, 0.2837, 0.3335



70.8735, 0.2752, 0.3152



70.8735, 0.2763, 0.3015

Triad

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



70.8735, 0.2752, 0.3152



70.8735, 0.3249, 0.3083



70.8735, 0.3385, 0.3638

Complementary

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



70.8735, 0.2752, 0.3152



59.3788, 0.3616, 0.3424

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.



70.8735, 0.3503, 0.3556



70.8735, 0.2752, 0.3152



70.8735, 0.3424, 0.3236

Square

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



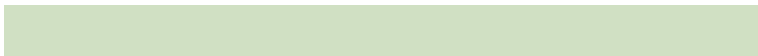
70.8735, 0.2752, 0.3152



70.8735, 0.3045, 0.2981



70.8735, 0.3518, 0.3408



70.8735, 0.3200, 0.3624

Rectangle

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



70.8735, 0.2752, 0.3152



70.8735, 0.2824, 0.2966



70.8735, 0.3518, 0.3408



70.8735, 0.3434, 0.3620

Sweetspot

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



70.8764, 0.2752, 0.3152



94.4697, 0.3018, 0.3254



75.2541, 0.3026, 0.3847



20.1219, 0.3009, 0.3251



0.0000, 0.0000, 0.0000



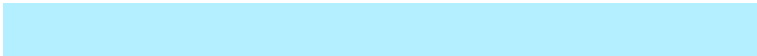
21.4041, 0.3127, 0.3290

Same Dimension

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



70.8764, 0.2752, 0.3152



78.7110, 0.2674, 0.3118



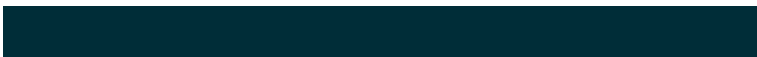
56.2055, 0.2722, 0.2805



17.3495, 0.2981, 0.3241



24.0502, 0.2062, 0.2622



2.1374, 0.2089, 0.2720

Inverse Universe

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



56.5564, 0.3250, 0.2793



59.5557, 0.3283, 0.2682



73.5384, 0.3542, 0.3732



15.9729, 0.3169, 0.3104



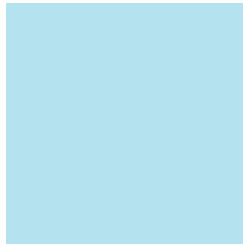
12.2212, 0.3803, 0.1869



1.0305, 0.3710, 0.1817

Previews

White Background



This preview shows how the Yxy color 70.8735, 0.2752, 0.3152 looks on a white background.

Color Contrast Check

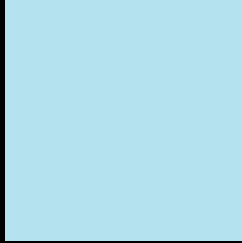
Large Text (above 18pt) WCAG AA × Fail

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 70.8735, 0.2752, 0.3152 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

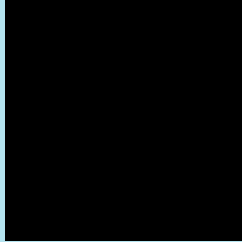
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 70.8735, 0.2752, 0.3152

Background



This preview shows how black text looks on a background with the Yxy color 70.8735, 0.2752, 0.3152.

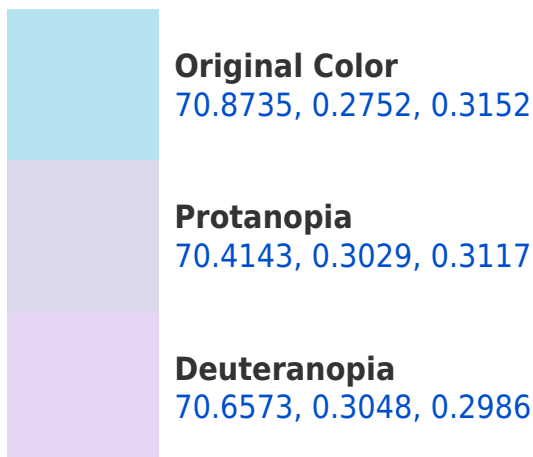


This preview shows how white text looks on a background with the Yxy color 70.8735, 0.2752, 0.3152.

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

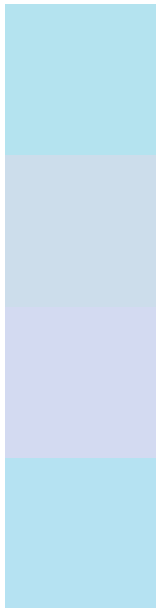




Tritanopia

70.7481, 0.2730, 0.3086

Trichromacy



Original Color

70.8735, 0.2752, 0.3152

Protanomaly

70.5484, 0.2922, 0.3135

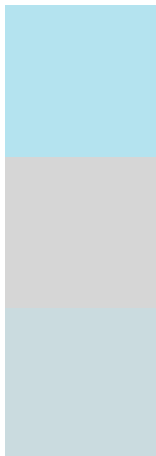
Deuteranomaly

70.3426, 0.2931, 0.3040

Tritanomaly

70.6273, 0.2740, 0.3108

Monochromacy



Original Color

70.8735, 0.2752, 0.3152

Achromatopsia

67.2443, 0.3127, 0.3290

Achromatomaly

68.5473, 0.2982, 0.3244

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.8735, 0.2752, 0.3152 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, 227, 239)` looks like.

```
.text, #text, p{  
    color:rgb(180, 227, 239)  
}
```

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, 227, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 227, 239) }
```

Border

The CSS property to change the border of an element to Yxy 70.8735, 0.2752, 0.3152 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, 227, 239) }
```

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

```
.border{ border-color:rgb(180, 227, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 227, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 227, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 227, 239);  
box-shadow:4px 4px 4px 4px rgb(180, 227,  
239) }
```


Background

The CSS property to change the background color of an element to Yxy 70.8735, 0.2752, 0.3152 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 227, 239) }
```

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

```
.background{ background-color: rgb(180,  
227, 239) }
```

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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