

Converting Colors

$Yxy(70.9823, 0.2713, 0.3185)$

Have a look what the booklet for
Yxy(70.9823, 0.2713, 0.3185)
contains.

Yxy(70.9823, 0.2713, 0.3185)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(70.9823, 0.2713, 0.3185)

Conversions

Conversions Part 1

Format	Color
Hex	ACE5EE
RGB	172, 229, 238
RGB Percent	67%, 90%, 93%
CMY	0.3256, 0.1019, 0.0666
CMYK	0.28, 0.04, 0.00, 0.07
HSL	188°, 66%, 80%
HSV	188°, 28%, 93%
XYZ	60.4631, 70.9823, 91.4190
YIQ	212.9830, -36.8610, -9.2850

Conversions

Conversions Part 2

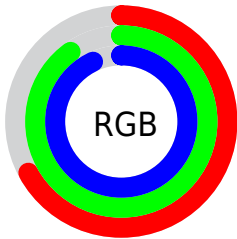
Format	Color
RYB	172, 203, 238
Decimal	11331054
CIELab	87.48, -16.00, -10.27
CIELCh	87, 19.013, 212.697
Yxy	70.9823, 0.2713, 0.3185
Android (android.graphics.Color)	4289521134 (0xFFACE5EE)
YUV	212.9830, 12.3334, -35.9421
Hunter-Lab	84.2510, -19.3379, -5.3586

Details

The Yxy color **70.9823, 0.2713, 0.3185** is a light color, and the websafe version is hex **99CCCC**, and the color name is **blizzard blue**. A complement of this color would be **54.2022, 0.3707, 0.3392**, and the grayscale version is **66.4611, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.3980, 0.2970, 0.3290**, and **37.1161, 0.2620, 0.3152** is the 20% darker color. If you saturate the color by 10%, you get **66.7482, 0.2580, 0.3142**, and if you desaturate by 10%, it is **75.7380, 0.2857, 0.3226**.

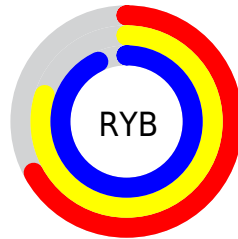
Distribution



Red (67%)

Green (90%)

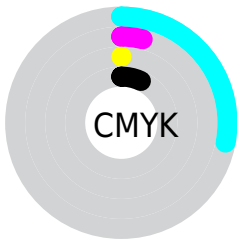
Blue (93%)



Red (67%)

Yellow (80%)

Blue (93%)

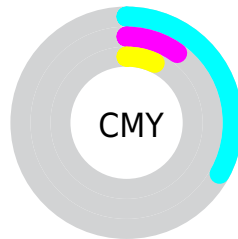


Cyan (28%)

Magenta (4%)

Yellow (0%)

Black (7%)



Cyan (33%)


Magenta (10%)

Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 70.9823, 0.2713, 0.3185 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 70.9823, 0.2713, 0.3185 by changing the saturation by 10% instead.

 70.9823, 0.2713,
0.3185

 70.9823, 0.2713,
0.3185


463.9916, 0.2903,
0.3237

 52.3278, 0.2670,
0.3172


 120.6085, 0.2779,
0.3204

 37.2664, 0.2617,
0.3156


152.3490, 0.2804,
0.3211

 25.4138, 0.2551,
0.3136


189.2202, 0.2826,
0.3217

 16.3856, 0.2465,
0.3107

231.6066, 0.2845,
0.3222

 9.7974, 0.2349,
0.3067

279.8925, 0.2862,
0.3226

 5.2649, 0.2185,
0.3005

334.4624, 0.2877,

 2.4035, 0.1938,

0.3230

0.2900

395.7006, 0.2891,
0.3234

0.8277, 0.1319,
0.2757

0.0000, 0.0000,
0.0000

70.9823, 0.2713,
0.3185

70.9823, 0.2713,
0.3185

66.7482, 0.2580,
0.3142

75.7380, 0.2857,
0.3226

63.0013, 0.2460,
0.3096

81.0308, 0.3007,
0.3263

59.7160, 0.2356,
0.3049

86.8860, 0.3162,
0.3297

56.8610, 0.2271,
0.3000

90.9400, 0.3237,
0.3329

■ 54.4004, 0.2205,
0.2952

■ 92.8911, 0.3234,
0.3361

■ 52.2925, 0.2158,
0.2903

■ 94.8767, 0.3232,
0.3392

■ 50.4804, 0.2129,
0.2855

■ 96.8971, 0.3229,
0.3423

■ 50.0938, 0.2124,
0.2845

■ 98.9523, 0.3226,
0.3454

■ 98.9543, 0.3226,
0.3454

Harmonies

Analogous

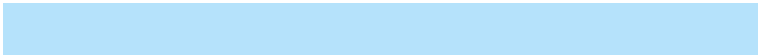
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



70.9823, 0.2838, 0.3402



70.9823, 0.2713, 0.3185



70.9823, 0.2695, 0.3008

Triad

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



70.9823, 0.2713, 0.3185



70.9823, 0.3202, 0.3013



70.9823, 0.3471, 0.3674

Complementary

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



70.9823, 0.2713, 0.3185



54.2022, 0.3707, 0.3392

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.



70.9823, 0.3578, 0.3552



70.9823, 0.2713, 0.3185



70.9823, 0.3420, 0.3175

Square

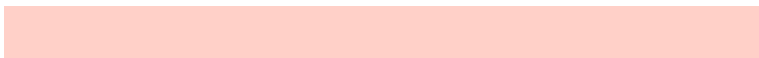
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



70.9823, 0.2713, 0.3185



70.9823, 0.2970, 0.2918



70.9823, 0.3560, 0.3369



70.9823, 0.3273, 0.3693

Rectangle

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



70.9823, 0.2713, 0.3185



70.9823, 0.2745, 0.2935



70.9823, 0.3560, 0.3369



70.9823, 0.3519, 0.3643

Sweetspot

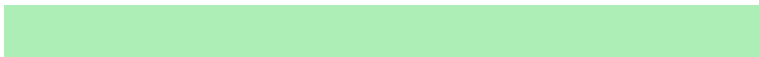
The Sweet Spot groups the original color and five complimentary colors.



70.9852, 0.2713, 0.3185



94.5705, 0.3003, 0.3262



73.2571, 0.3039, 0.3982



20.0336, 0.2980, 0.3257



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.



70.9852, 0.2713, 0.3185



80.2709, 0.2640, 0.3162



54.5090, 0.2673, 0.2789



17.5395, 0.2981, 0.3257



28.0828, 0.2126, 0.2852



2.4368, 0.2143, 0.2915

Inverse Universe

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



53.3343, 0.3232, 0.2686



56.8314, 0.3256, 0.2569



69.1531, 0.3612, 0.3744



15.9921, 0.3159, 0.3089



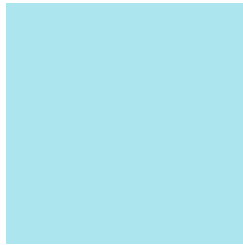
12.6283, 0.3587, 0.1749



1.0607, 0.3529, 0.1718

Previews

White Background



This preview shows how the Yxy color 70.9823, 0.2713, 0.3185 looks on a white background.

Color Contrast Check

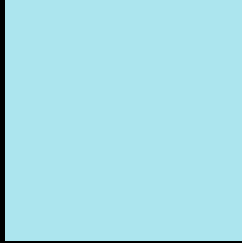
Large Text (above 18pt) WCAG AA × Fail

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 70.9823, 0.2713, 0.3185 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

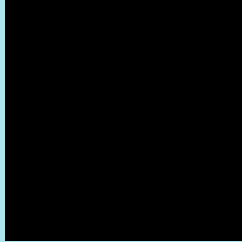
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 70.9823, 0.2713, 0.3185

Background



This preview shows how black text looks on a background with the Yxy color 70.9823, 0.2713, 0.3185.

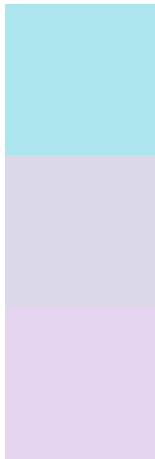


This preview shows how white text looks on a background with the Yxy color 70.9823, 0.2713, 0.3185.

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

70.9823, 0.2713, 0.3185

Protanopia

70.4553, 0.3049, 0.3138

Deuteranopia

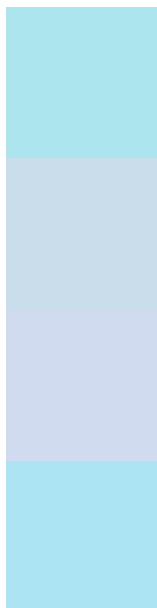
70.5974, 0.3055, 0.2996



Tritanopia

71.1393, 0.2681, 0.3085

Trichromacy



Original Color

70.9823, 0.2713, 0.3185

Protanomaly

70.2100, 0.2915, 0.3145

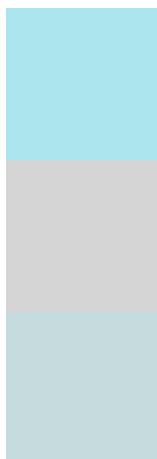
Deuteranomaly

70.3642, 0.2917, 0.3060

Tritanomaly

70.8421, 0.2691, 0.3117

Monochromacy



Original Color

70.9823, 0.2713, 0.3185

Achromatopsia

66.5387, 0.3127, 0.3290

Achromatomaly

67.9427, 0.2961, 0.3255

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.9823, 0.2713, 0.3185 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(172, 229, 238)` looks like.

```
.text, #text, p{  
    color:rgb(172, 229, 238)  
}
```

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(172, 229, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 229, 238) }
```

Border

The CSS property to change the border of an element to Yxy 70.9823, 0.2713, 0.3185 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(172, 229, 238) }
```

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

```
.border{ border-color:rgb(172, 229, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 229, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 229, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 229, 238);  
box-shadow:4px 4px 4px 4px rgb(172, 229,  
238) }
```


Background

The CSS property to change the background color of an element to Yxy 70.9823, 0.2713, 0.3185 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 229, 238) }
```

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

```
.background{ background-color: rgb(172,  
229, 238) }
```

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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