

Converting Colors

$Yxy(70.2408, 0.2671, 0.3173)$

Have a look what the booklet for
Yxy(70.2408, 0.2671, 0.3173)
contains.

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Color

Yxy(70.2700, 0.2669, 0.3173)

Conversions

Conversions Part 1

Format	Color
Hex	A5E5EF
RGB	165, 229, 239
RGB Percent	65%, 90%, 94%
CMY	0.3530, 0.1019, 0.0629
CMYK	0.31, 0.04, 0.00, 0.06
HSL	188°, 70%, 79%
HSV	188°, 31%, 94%
XYZ	59.1083, 70.2700, 92.0840
YIQ	211.0040, -41.3540, -10.4580

Conversions

Conversions Part 2

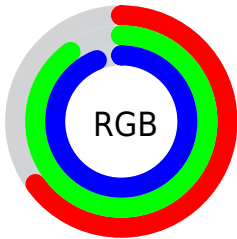
Format	Color
R _Y B	165, 199, 239
Decimal	10872303
CIE Lab	87.13, -17.74, -11.33
CIE LCh	87, 21.047, 212.557
Yxy	70.2700, 0.2669, 0.3173
Android (android.graphics.Color)	4289062383 (0xFFA5E5EF)
YUV	211.0040, 13.8020, -40.3455
Hunter-Lab	83.8272, -20.8336, -6.4509

Details

The Yxy color **70.2700, 0.2669, 0.3173** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **51.6944, 0.3798, 0.3403**, and the grayscale version is **65.0691, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.2696, 0.2929, 0.3289**, and **36.6210, 0.2561, 0.3134** is the 20% darker color. If you saturate the color by 10%, you get **66.1826, 0.2540, 0.3130**, and if you desaturate by 10%, it is **74.8746, 0.2809, 0.3214**.

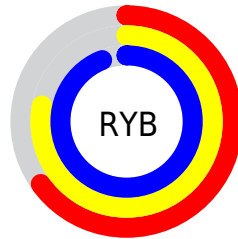
Distribution



Red (65%)

Green (90%)

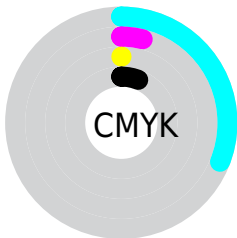
Blue (94%)



Red (65%)

Yellow (78%)

Blue (94%)

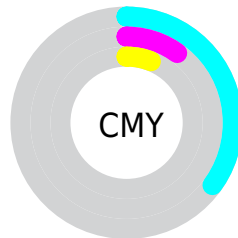


Cyan (31%)

Magenta (4%)

Yellow (0%)

Black (6%)



Cyan (35%)


Magenta (10%)


Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 70.2700, 0.2669, 0.3173 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 70.2700, 0.2669, 0.3173 by changing the saturation by 10% instead.


 70.2700, 0.2669,
0.3173


 70.2700, 0.2669,
0.3173


461.4975, 0.2879,
0.3231

 51.7467, 0.2622,
0.3159


 119.5937, 0.2741,
0.3194

 36.8032, 0.2563,
0.3141


 151.1629, 0.2770,
0.3202

 25.0552, 0.2490,
0.3117


187.8495, 0.2794,
0.3209

 16.1182, 0.2395,
0.3085

230.0379, 0.2815,
0.3214

 9.6078, 0.2268,
0.3039

278.1125, 0.2834,
0.3220

 5.1397, 0.2088,
0.2968

332.4577, 0.2851,

 2.3295, 0.1818,

0.3224

0.2847

393.4579, 0.2866,
0.3228

0.7892, 0.1081,
0.2690

0.0000, 0.0000,
0.0000

70.2700, 0.2669,
0.3173

70.2700, 0.2669,
0.3173

66.1826, 0.2540,
0.3130

74.8746, 0.2809,
0.3214

62.5772, 0.2425,
0.3084


80.0129, 0.2958,
0.3252


59.4271, 0.2328,
0.3037


85.7109, 0.3112,
0.3287

56.6993, 0.2249,
0.2989


90.9196, 0.3231,
0.3319


 54.3559, 0.2189,
0.2941

 92.8492, 0.3229,
0.3350


 52.3519, 0.2149,
0.2894

 94.8125, 0.3226,
0.3381

 50.7666, 0.2125,
0.2851

 96.8099, 0.3223,
0.3411

 98.8414, 0.3221,
0.3442

 99.0101, 0.3221,
0.3444

Harmonies

Analogous

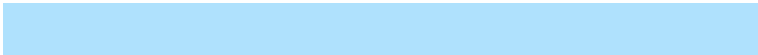
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



70.2700, 0.2807, 0.3415



70.2700, 0.2669, 0.3173



70.2700, 0.2649, 0.2977

Triad

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



70.2700, 0.2669, 0.3173



70.2700, 0.3208, 0.2983



70.2700, 0.3510, 0.3716

Complementary

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



70.2700, 0.2669, 0.3173



51.6944, 0.3798, 0.3403

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.



70.2700, 0.3629, 0.3578



70.2700, 0.2669, 0.3173



70.2700, 0.3451, 0.3161

Square

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



70.2700, 0.2669, 0.3173



70.2700, 0.2951, 0.2879



70.2700, 0.3608, 0.3375



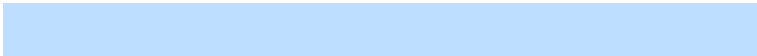
70.2700, 0.3290, 0.3740

Rectangle

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



70.2700, 0.2669, 0.3173



70.2700, 0.2703, 0.2897



70.2700, 0.3608, 0.3375



70.2700, 0.3563, 0.3681

Sweetspot

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



70.2728, 0.2669, 0.3173



93.9498, 0.2988, 0.3259



72.8004, 0.3029, 0.4077



19.9106, 0.2965, 0.3254



0.0000, 0.0000, 0.0000



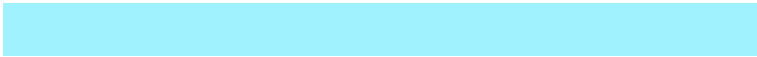
21.4041, 0.3127, 0.3290

Same Dimension

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



70.2728, 0.2669, 0.3173



78.4469, 0.2588, 0.3146



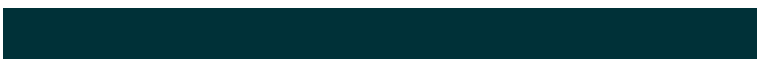
51.9731, 0.2616, 0.2722



17.5450, 0.2981, 0.3257



28.2048, 0.2128, 0.2859



2.4458, 0.2145, 0.2921

Inverse Universe

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



50.9048, 0.3245, 0.2614



53.0567, 0.3273, 0.2481



68.0671, 0.3676, 0.3798



15.9927, 0.3159, 0.3088



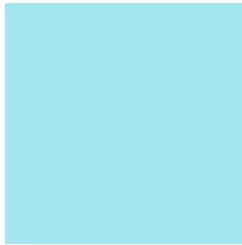
12.6406, 0.3581, 0.1746



1.0616, 0.3524, 0.1715

Previews

White Background



This preview shows how the Yxy color 70.2700, 0.2669, 0.3173 looks on a white background.

Color Contrast Check

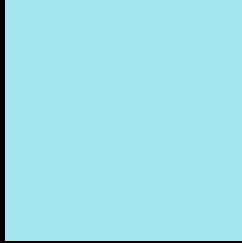
Large Text (above 18pt) WCAG AA × Fail

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 70.2700, 0.2669, 0.3173 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

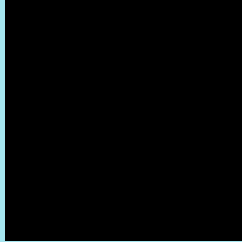
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 70.2700, 0.2669, 0.3173

Background



This preview shows how black text looks on a background with the Yxy color 70.2700, 0.2669, 0.3173.

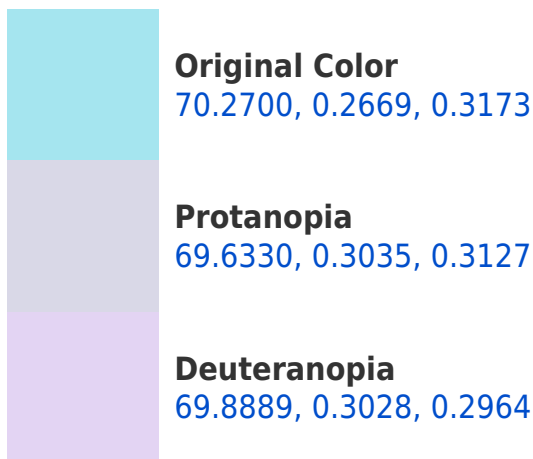


This preview shows how white text looks on a background with the Yxy color 70.2700, 0.2669, 0.3173.

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

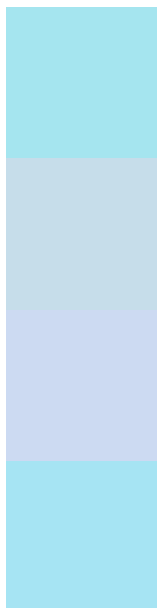




Tritanopia

70.3561, 0.2642, 0.3082

Trichromacy



Original Color

70.2700, 0.2669, 0.3173

Protanomaly

69.6592, 0.2888, 0.3144

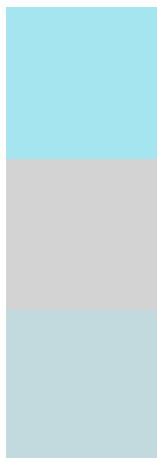
Deuteranomaly

69.3910, 0.2878, 0.3026

Tritanomaly

70.0649, 0.2652, 0.3116

Monochromacy



Original Color

70.2700, 0.2669, 0.3173

Achromatopsia

65.1406, 0.3127, 0.3290

Achromatomaly

66.8326, 0.2940, 0.3255

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.2700, 0.2669, 0.3173 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(165, 229, 239)` looks like.

```
.text, #text, p{  
    color:rgb(165, 229, 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(165, 229, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 229, 239) }
```

Border

The CSS property to change the border of an element to Yxy 70.2700, 0.2669, 0.3173 is called "border". The border property can be set on classes, ids or directly on the HTML element.

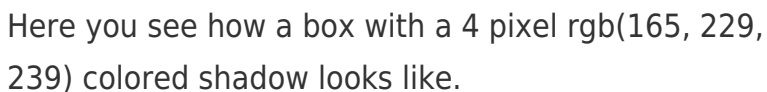
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(165, 229, 239) }
```

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

```
.border{ border-color:rgb(165, 229, 239) }
```

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



Here you see how a box with a 4 pixel `rgb(165, 229, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(165, 229, 239); -webkit-box-shadow:4px 4px 4px 4px rgb(165, 229, 239); box-shadow:4px 4px 4px 4px rgb(165, 229, 239) }
```


Background

The CSS property to change the background color of an element to Yxy 70.2700, 0.2669, 0.3173 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 229, 239) }
```

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

```
.background{ background-color: rgb(165,  
229, 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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