

Converting Colors

$Yxy(72.8939, 0.2686, 0.3208)$

Have a look what the booklet for
Yxy(72.8939, 0.2686, 0.3208)
contains.

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Color

Yxy(72.8939, 0.2686, 0.3208)

Conversions

Conversions Part 1

Format	Color
Hex	A8E9F0
RGB	168, 233, 240
RGB Percent	66%, 91%, 94%
CMY	0.3408, 0.0863, 0.0588
CMYK	0.30, 0.03, 0.00, 0.06
HSL	186°, 71%, 80%
HSV	186°, 30%, 94%
XYZ	61.0327, 72.8939, 93.2987
YIQ	214.3630, -40.9870, -11.6030

Conversions

Conversions Part 2

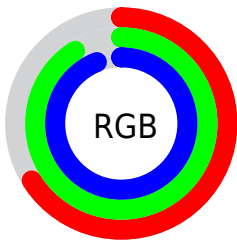
Format	Color
RYB	168, 202, 240
Decimal	11069936
CIELab	88.40, -18.62, -9.97
CIElCh	88, 21.122, 208.158
Yxy	72.8939, 0.2686, 0.3208
Android (android.graphics.Color)	4289260016 (0xFFA8E9F0)
YUV	214.3630, 12.6390, -40.6604
Hunter-Lab	85.3779, -21.8100, -5.0260

Details

The Yxy color **72.8939, 0.2686, 0.3208** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **52.0698, 0.3778, 0.3370**, and the grayscale version is **67.4519, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.7476, 0.2946, 0.3289**, and **38.4157, 0.2583, 0.3182** is the 20% darker color. If you saturate the color by 10%, you get **69.1799, 0.2559, 0.3177**, and if you desaturate by 10%, it is **77.1176, 0.2825, 0.3238**.

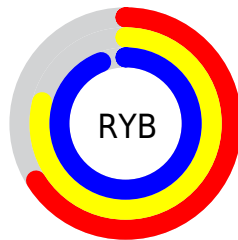
Distribution



Red (66%)

Green (91%)

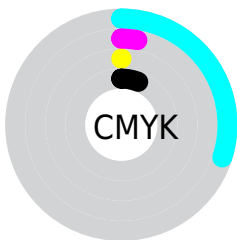
Blue (94%)



Red (66%)

Yellow (79%)

Blue (94%)

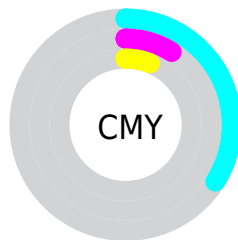


Cyan (30%)

Magenta (3%)

Yellow (0%)

Black (6%)



Cyan (34%)


Magenta (9%)

Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 72.8939, 0.2686, 0.3208 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 72.8939, 0.2686, 0.3208 by changing the saturation by 10% instead.


 72.8939, 0.2686,
0.3208

 72.8939, 0.2686,
0.3208


470.6470, 0.2887,
0.3250

 53.8892, 0.2641,
0.3198


 123.3266, 0.2755,
0.3223

 38.5131, 0.2585,
0.3185


155.5234, 0.2782,
0.3229

 26.3812, 0.2516,
0.3167


192.8863, 0.2806,
0.3234

 17.1090, 0.2426,
0.3144

235.7998, 0.2826,
0.3238

 10.3122, 0.2306,
0.3110

284.6482, 0.2844,
0.3241

 5.6065, 0.2137,
0.3057

339.8159, 0.2860,

 2.6073, 0.1885,

0.3244

0.2967

401.6874, 0.2874,
0.3247

0.9303, 0.1309,
0.2839

0.0000, 0.0000,
0.0000

72.8939, 0.2686,
0.3208

72.8939, 0.2686,
0.3208

69.1799, 0.2559,
0.3177

77.1176, 0.2825,
0.3238

65.9401, 0.2447,
0.3144

81.8672, 0.2974,
0.3265

63.1478, 0.2352,
0.3111

87.1685, 0.3128,
0.3290

60.7705, 0.2276,
0.3076

91.2745, 0.3224,
0.3313

■ 58.7704, 0.2220,
0.3042

■ 92.6827, 0.3223,
0.3336

■ 57.1031, 0.2182,
0.3009

■ 94.1088, 0.3221,
0.3358

■ 55.6936, 0.2160,
0.2975

■ 95.5530, 0.3219,
0.3381

■ 55.6881, 0.2160,
0.2975

■ 97.0153, 0.3217,
0.3403

■ 98.4958, 0.3215,
0.3426

Harmonies

Analogous

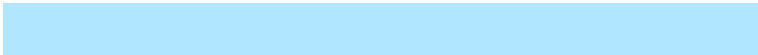
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



72.8939, 0.2838, 0.3449



72.8939, 0.2686, 0.3208



72.8939, 0.2648, 0.3003

Triad

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



72.8939, 0.2686, 0.3208



72.8939, 0.3169, 0.2965



72.8939, 0.3531, 0.3699

Complementary

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



72.8939, 0.2686, 0.3208



52.0698, 0.3778, 0.3370

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.



72.8939, 0.3630, 0.3549



72.8939, 0.2686, 0.3208



72.8939, 0.3417, 0.3133

Square

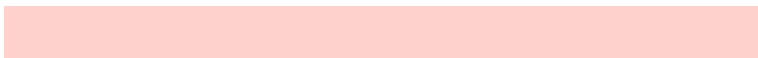
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



72.8939, 0.2686, 0.3208



72.8939, 0.2918, 0.2875



72.8939, 0.3589, 0.3343



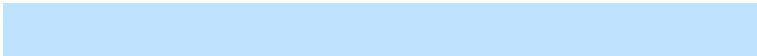
72.8939, 0.3324, 0.3741

Rectangle

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



72.8939, 0.2686, 0.3208



72.8939, 0.2690, 0.2914



72.8939, 0.3589, 0.3343



72.8939, 0.3579, 0.3659

Sweetspot

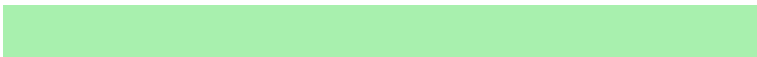
The Sweet Spot groups the original color and five complimentary colors.



72.8968, 0.2686, 0.3208



94.4814, 0.2988, 0.3267



73.7229, 0.3052, 0.4093



20.0425, 0.2966, 0.3264



0.0000, 0.0000, 0.0000



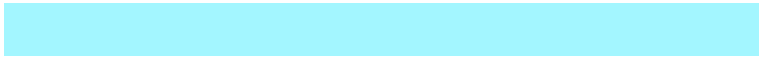
21.4041, 0.3127, 0.3290

Same Dimension

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



72.8968, 0.2686, 0.3208



80.9563, 0.2606, 0.3189



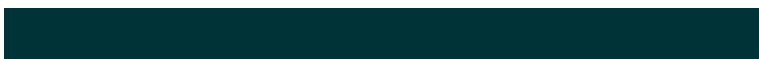
55.0466, 0.2639, 0.2787



17.6494, 0.2981, 0.3266



30.5915, 0.2161, 0.2981



2.6208, 0.2174, 0.3025

Inverse Universe

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



52.4535, 0.3219, 0.2611



54.1810, 0.3241, 0.2473



67.4763, 0.3667, 0.3745



16.0032, 0.3153, 0.3080



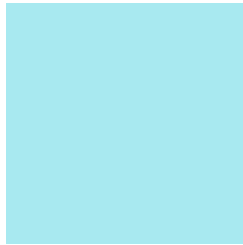
12.8816, 0.3471, 0.1686



1.0793, 0.3433, 0.1665

Previews

White Background



This preview shows how the Yxy color 72.8939, 0.2686, 0.3208 looks on a white background.

Color Contrast Check

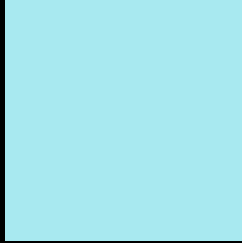
Large Text (above 18pt) WCAG AA × Fail

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 72.8939, 0.2686, 0.3208 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

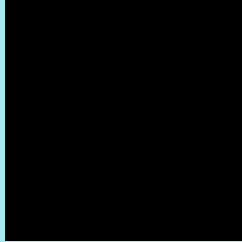
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 72.8939, 0.2686, 0.3208

Background



This preview shows how black text looks on a background with the Yxy color 72.8939, 0.2686, 0.3208.

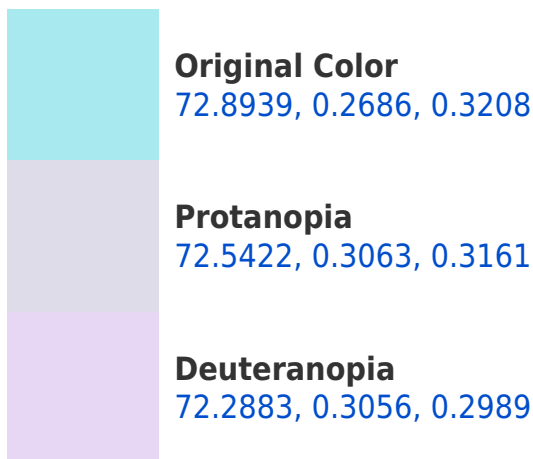


This preview shows how white text looks on a background with the Yxy color 72.8939, 0.2686, 0.3208.

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

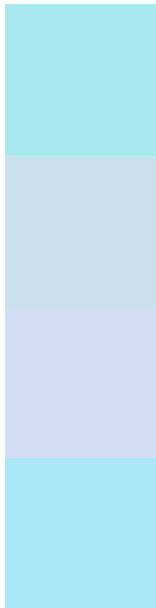




Tritanopia

72.6000, 0.2642, 0.3074

Trichromacy



Original Color

72.8939, 0.2686, 0.3208

Protanomaly

72.4051, 0.2910, 0.3179

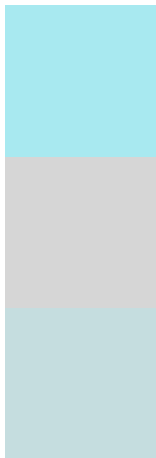
Deuteranomaly

72.2689, 0.2907, 0.3062

Tritanomaly

72.8021, 0.2659, 0.3129

Monochromacy



Original Color

72.8939, 0.2686, 0.3208

Achromatopsia

67.2443, 0.3127, 0.3290

Achromatomaly

68.9109, 0.2949, 0.3267

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.8939, 0.2686, 0.3208 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(168, 233, 240)` looks like.

```
.text, #text, p{  
    color:rgb(168, 233, 240)  
}
```

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(168, 233, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 233, 240) }
```

Border

The CSS property to change the border of an element to Yxy 72.8939, 0.2686, 0.3208 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(168, 233, 240) }
```

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

```
.border{ border-color:rgb(168, 233, 240) }
```

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

Here you see how a box with a 4 pixel rgb(168, 233, 240) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 233, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 233, 240);  
box-shadow:4px 4px 4px 4px rgb(168, 233,  
240) }
```


Background

The CSS property to change the background color of an element to Yxy 72.8939, 0.2686, 0.3208 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 233, 240) }
```

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

```
.background{ background-color: rgb(168,  
233, 240) }
```

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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