

Converting Colors

$Yxy(76.7008, 0.2696, 0.3292)$

Have a look what the booklet for
Yxy(76.7008, 0.2696, 0.3292)
contains.

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Color

Yxy(76.8770, 0.2700, 0.3300)

Conversions

Conversions Part 1

Format	Color
Hex	A8F0EF
RGB	168, 240, 239
RGB Percent	66%, 94%, 94%
CMY	0.3409, 0.0589, 0.0627
CMYK	0.30, 0.00, 0.00, 0.06
HSL	179°, 71%, 80%
HSV	179°, 30%, 94%
XYZ	62.8994, 76.8770, 93.1842
YIQ	218.3580, -42.5910, -15.5750

Conversions

Conversions Part 2

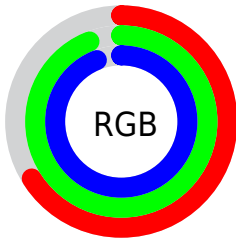
Format	Color
R_{YB}	168, 204, 240
Decimal	11071727
CIE _{Lab}	90.26, -22.32, -6.67
CIE _{LCh}	90, 23.295, 196.637
Yxy	76.8770, 0.2700, 0.3300
Android (android.graphics.Color)	4289261807 (0xFFA8F0EF)
YUV	218.3580, 10.1765, -44.1640
Hunter-Lab	87.6795, -25.3872, -1.6367

Details

The Yxy color **76.8770, 0.2700, 0.3300** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **49.4228, 0.3792, 0.3281**, and the grayscale version is **70.3330, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.7476, 0.2946, 0.3289**, and **41.2106, 0.2605, 0.3303** is the 20% darker color. If you saturate the color by 10%, you get **74.4637, 0.2582, 0.3304**, and if you desaturate by 10%, it is **79.7827, 0.2832, 0.3296**.

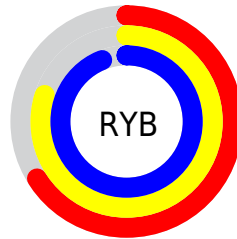
Distribution



Red (66%)

Green (94%)

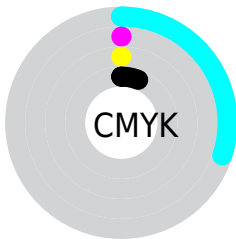
Blue (94%)



Red (66%)

Yellow (80%)

Blue (94%)

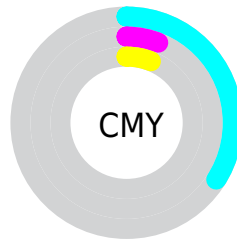


Cyan (30%)

Magenta (0%)

Yellow (0%)

Black (6%)



Cyan (34%)


Magenta (6%)

Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 76.8770, 0.2700, 0.3300 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 76.8770, 0.2700, 0.3300 by changing the saturation by 10% instead.

 76.8770, 0.2700,
0.3300

 76.8770, 0.2700,
0.3300


484.3446, 0.2893,
0.3298

 57.1519, 0.2657,
0.3300

 128.9658, 0.2766,
0.3300

 41.1272, 0.2604,
0.3299


162.0984, 0.2792,
0.3300

 28.4185, 0.2538,
0.3297


200.4689, 0.2815,
0.3300

 18.6414, 0.2453,
0.3294

244.4618, 0.2835,
0.3299

 11.4114, 0.2340,
0.3289

294.4614, 0.2852,
0.3299

 6.3443, 0.2182,
0.3277

350.8521, 0.2867,

 3.0555, 0.1947,

0.3299

414.0184, 0.2881,
0.3299

0.3253

1.1608, 0.1485,
0.3220

0.0293, 0.0000,
0.0556

76.8770, 0.2700,
0.3300

76.8770, 0.2700,
0.3300

74.4637, 0.2582,
0.3304

79.7827, 0.2832,
0.3296

72.5066, 0.2482,
0.3308


83.1962, 0.2976,
0.3293


70.9797, 0.2400,
0.3312

87.1436, 0.3128,
0.3290


69.8500, 0.2337,
0.3317


89.8858, 0.3224,
0.3287

 69.0803, 0.2294,
0.3321


 89.9055, 0.3222,
0.3284


 68.6258, 0.2269,
0.3326

 89.9252, 0.3220,
0.3281

 68.4119, 0.2258,
0.3330

 89.9450, 0.3218,
0.3277

 68.4113, 0.2258,
0.3330

 89.9648, 0.3216,
0.3274

 89.9847, 0.3214,
0.3271

Harmonies

Analogous

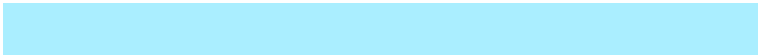
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



76.8770, 0.2903, 0.3556



76.8770, 0.2700, 0.3300



76.8770, 0.2610, 0.3054

Triad

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



76.8770, 0.2700, 0.3300



76.8770, 0.3064, 0.2891



76.8770, 0.3623, 0.3680

Complementary

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



76.8770, 0.2700, 0.3300



49.4228, 0.3792, 0.3281

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.



76.8770, 0.3674, 0.3487



76.8770, 0.2700, 0.3300



76.8770, 0.3343, 0.3043

Square

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



76.8770, 0.2700, 0.3300



76.8770, 0.2812, 0.2833



76.8770, 0.3570, 0.3257



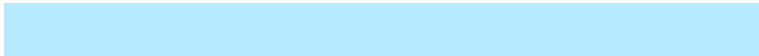
76.8770, 0.3436, 0.3778

Rectangle

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



76.8770, 0.2700, 0.3300



76.8770, 0.2622, 0.2932



76.8770, 0.3570, 0.3257



76.8770, 0.3657, 0.3624

Sweetspot

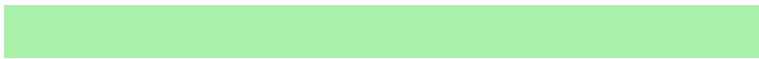
The Sweet Spot groups the original color and five complimentary colors.



76.8801, 0.2700, 0.3300



95.8838, 0.2990, 0.3293



73.6101, 0.3093, 0.4166



20.3908, 0.2968, 0.3293



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

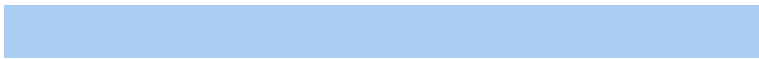
The Same Dimension uses a secret algorithm to generate beautiful new colors.



76.8801, 0.2700, 0.3300



86.4665, 0.2626, 0.3302



58.3967, 0.2649, 0.2876



17.9250, 0.2983, 0.3293



37.4541, 0.2258, 0.3329



3.1170, 0.2257, 0.3323

Inverse Universe

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



49.4228, 0.3792, 0.3281



50.2226, 0.3990, 0.3279



63.9869, 0.3689, 0.3670



15.7624, 0.3291, 0.3287



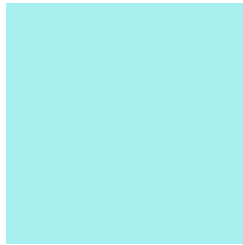
10.1466, 0.6386, 0.3292



0.8453, 0.6347, 0.3270

Previews

White Background



This preview shows how the Yxy color 76.8770, 0.2700, 0.3300 looks on a white background.

Color Contrast Check

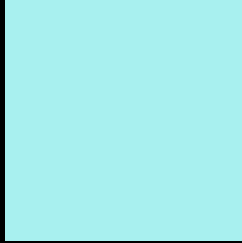
Large Text (above 18pt) WCAG AA × Fail

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 76.8770, 0.2700, 0.3300 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

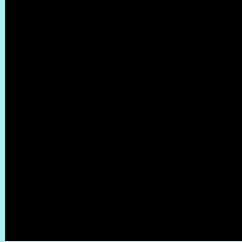
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 76.8770, 0.2700, 0.3300

Background



This preview shows how black text looks on a background with the Yxy color 76.8770, 0.2700, 0.3300.

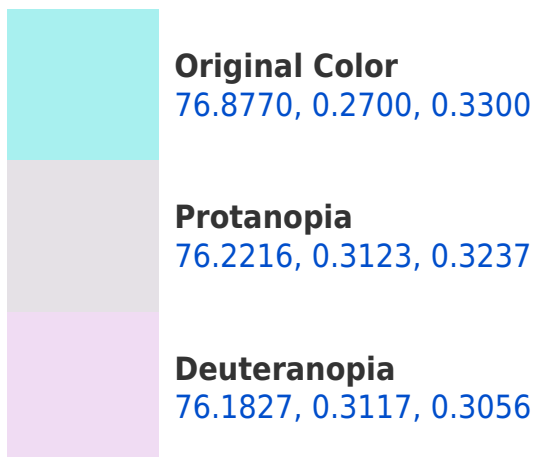


This preview shows how white text looks on a background with the Yxy color 76.8770, 0.2700, 0.3300.

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

76.9023, 0.2652, 0.3090

Trichromacy



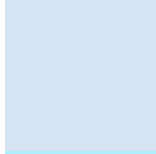
Original Color

76.8770, 0.2700, 0.3300



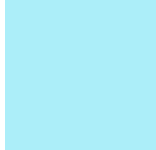
Protanomaly

75.7422, 0.2956, 0.3257



Deuteranomaly

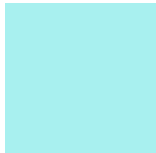
75.6451, 0.2947, 0.3129



Tritanomaly

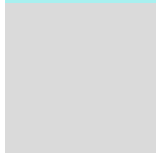
76.7593, 0.2668, 0.3166

Monochromacy



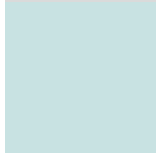
Original Color

76.8770, 0.2700, 0.3300



Achromatopsia

70.1102, 0.3127, 0.3290



Achromatomaly

72.1631, 0.2951, 0.3289

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.8770, 0.2700, 0.3300 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, 240, 239)` looks like.

```
.text, #text, p{  
    color:rgb(168, 240, 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(168, 240, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 240, 239) }
```

Border

The CSS property to change the border of an element to Yxy 76.8770, 0.2700, 0.3300 is called "border". The border property can be set on classes, ids or directly on the HTML element.

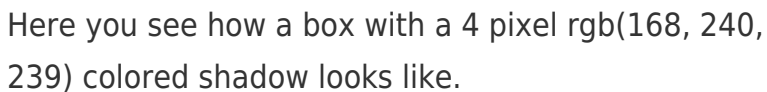
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(168, 240, 239) }
```

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

```
.border{ border-color:rgb(168, 240, 239) }
```

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



Here you see how a box with a 4 pixel `rgb(168, 240, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(168, 240, 239); -webkit-box-shadow:4px 4px 4px 4px rgb(168, 240, 239); box-shadow:4px 4px 4px 4px rgb(168, 240, 239) }
```


Background

The CSS property to change the background color of an element to Yxy 76.8770, 0.2700, 0.3300 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 240, 239) }
```

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

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