

Converting Colors

$Yxy(76.2775, 0.2697, 0.3302)$

Have a look what the booklet for
Yxy(76.2775, 0.2697, 0.3302)
contains.

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Color

Yxy(76.1215, 0.2698, 0.3300)

Conversions

Conversions Part 1

Format	Color
Hex	A7EFEE
RGB	167, 239, 238
RGB Percent	65%, 94%, 93%
CMY	0.3451, 0.0627, 0.0666
CMYK	0.30, 0.00, 0.00, 0.06
HSL	179°, 69%, 80%
HSV	179°, 30%, 94%
XYZ	62.2351, 76.1215, 92.3146
YIQ	217.3580, -42.5910, -15.5750

Conversions

Conversions Part 2

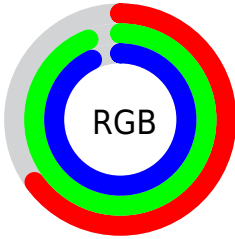
Format	Color
RYB	167, 203, 239
Decimal	11005934
CIELab	89.92, -22.35, -6.68
CIELCh	90, 23.331, 196.636
Yxy	76.1215, 0.2698, 0.3300
Android (android.graphics.Color)	4289196014 (0xFFA7EFEE)
YUV	217.3580, 10.1765, -44.1640
Hunter-Lab	87.2476, -25.3565, -1.6600

Details

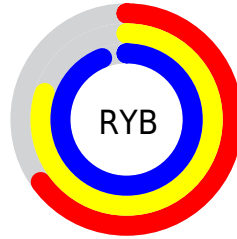
The Yxy color **76.1215, 0.2698, 0.3300** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **48.8111, 0.3797, 0.3281**, and the grayscale version is **69.5977, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.5873, 0.2940, 0.3289**, and **40.6891, 0.2603, 0.3304** is the 20% darker color. If you saturate the color by 10%, you get **73.7386, 0.2581, 0.3304**, and if you desaturate by 10%, it is **78.9916, 0.2830, 0.3296**.

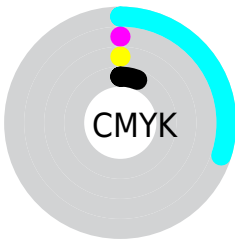
Distribution



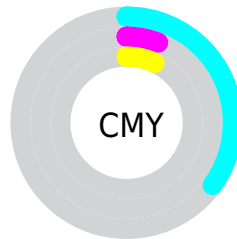
- Red (65%)
- Green (94%)
- Blue (93%)



- Red (65%)
- Yellow (80%)
- Blue (94%)



- Cyan (30%)
- Magenta (0%)
- Yellow (0%)
- Black (6%)





- Cyan (35%)
- Magenta (6%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 76.1215, 0.2698, 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 76.1215, 0.2698, 0.3300 by changing the saturation by 10% instead.

 76.1215, 0.2698,
0.3300

 76.1215, 0.2698,
0.3300


481.7635, 0.2893,
0.3299

 56.5321, 0.2654,
0.3300

 127.8986, 0.2765,
0.3300

 40.6297, 0.2601,
0.3299

 160.8552, 0.2791,
0.3300

 28.0299, 0.2535,
0.3297


199.0363, 0.2814,
0.3300

 18.3482, 0.2449,
0.3294

242.8263, 0.2833,
0.3299

 11.2003, 0.2334,
0.3288

292.6097, 0.2851,
0.3299

 6.2017, 0.2174,
0.3277

348.7707, 0.2866,

 2.9681, 0.1935,

0.3299

411.6939, 0.2880,
0.3299

0.3251

1.1151, 0.1440,
0.3226

0.0000, 0.0000,
0.0000

76.1215, 0.2698,
0.3300

76.1215, 0.2698,
0.3300

73.7386, 0.2581,
0.3304

78.9916, 0.2830,
0.3296

71.8071, 0.2480,
0.3308

82.3641, 0.2973,
0.3293

70.3010, 0.2399,
0.3312

86.2651, 0.3125,
0.3290

69.1878, 0.2336,
0.3317

89.2476, 0.3232,
0.3287

■ 68.4304, 0.2294,
0.3321

■ 89.2671, 0.3229,
0.3284

■ 67.9846, 0.2269,
0.3325

■ 89.2865, 0.3227,
0.3281

■ 67.7766, 0.2258,
0.3330

■ 89.3060, 0.3225,
0.3278

■ 89.3255, 0.3223,
0.3274

■ 89.3451, 0.3221,
0.3271

Harmonies

Analogous

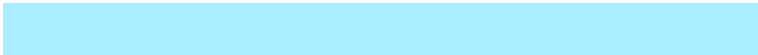
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



76.1215, 0.2902, 0.3558



76.1215, 0.2698, 0.3300



76.1215, 0.2607, 0.3053

Triad

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



76.1215, 0.2698, 0.3300



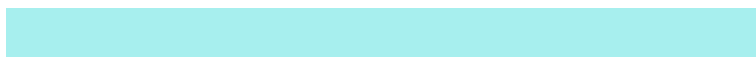
76.1215, 0.3063, 0.2889



76.1215, 0.3625, 0.3682

Complementary

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



76.1215, 0.2698, 0.3300



48.8111, 0.3797, 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.



76.1215, 0.3677, 0.3488



76.1215, 0.2698, 0.3300



76.1215, 0.3344, 0.3042

Square

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



76.1215, 0.2698, 0.3300



76.1215, 0.2811, 0.2831



76.1215, 0.3573, 0.3257



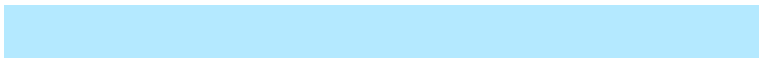
76.1215, 0.3438, 0.3780

Rectangle

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



76.1215, 0.2698, 0.3300



76.1215, 0.2619, 0.2930



76.1215, 0.3573, 0.3257



76.1215, 0.3660, 0.3625

Sweetspot

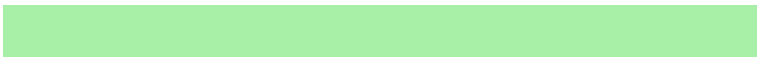
The Sweet Spot groups the original color and five complimentary colors.



76.1246, 0.2698, 0.3300



95.8839, 0.2990, 0.3293



72.8713, 0.3093, 0.4172



20.3909, 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.



76.1246, 0.2698, 0.3300



86.4669, 0.2626, 0.3302



57.7261, 0.2646, 0.2874



17.9250, 0.2983, 0.3293



37.4547, 0.2258, 0.3329



3.1171, 0.2256, 0.3323

Inverse Universe

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



48.8111, 0.3797, 0.3281



50.2224, 0.3991, 0.3279



63.2870, 0.3693, 0.3672



15.7624, 0.3291, 0.3287



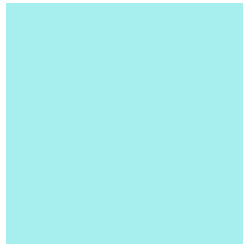
10.1465, 0.6386, 0.3292



0.8453, 0.6348, 0.3270

Previews

White Background



This preview shows how the Yxy color 76.1215, 0.2698, 0.3300 looks on a white background.

Color Contrast Check

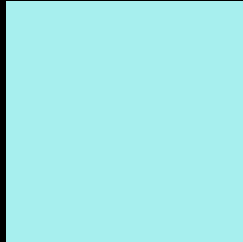
Large Text (above 18pt) WCAG AA × Fail

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 76.1215, 0.2698, 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 76.1215, 0.2698, 0.3300

Background



This preview shows how black text looks on a background with the Yxy color 76.1215, 0.2698, 0.3300.

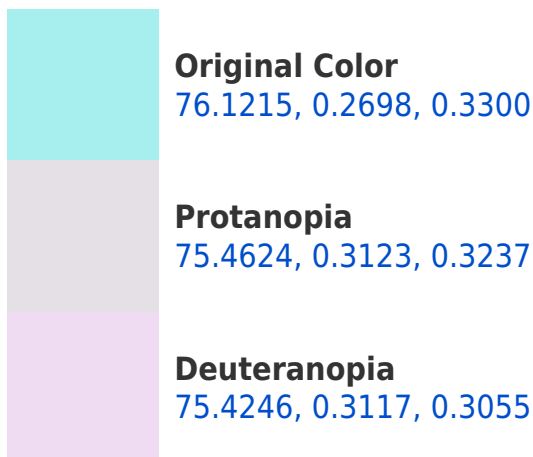


This preview shows how white text looks on a background with the Yxy color 76.1215, 0.2698, 0.3300.

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

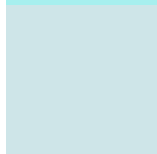
75.9816, 0.2635, 0.3078

Trichromacy



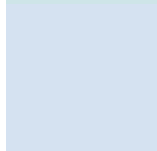
Original Color

76.1215, 0.2698, 0.3300



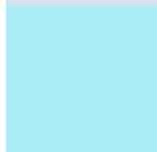
Protanomaly

74.9866, 0.2955, 0.3257



Deuteranomaly

74.8897, 0.2946, 0.3129



Tritanomaly

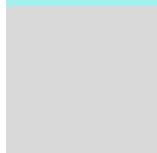
75.9540, 0.2656, 0.3154

Monochromacy



Original Color

76.1215, 0.2698, 0.3300



Achromatopsia

69.3872, 0.3127, 0.3290



Achromatomaly

71.4288, 0.2951, 0.3289

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.1215, 0.2698, 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(167, 239, 238)` looks like.

```
.text, #text, p{  
    color:rgb(167, 239, 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(167, 239, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 239, 238) }
```

Border

The CSS property to change the border of an element to Yxy 76.1215, 0.2698, 0.3300 is called "border". The border property can be set on classes, ids or directly on the HTML element.

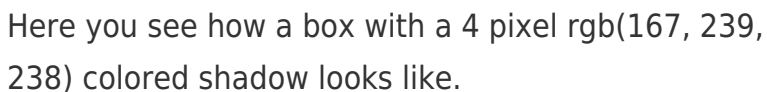
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(167, 239, 238) }
```

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

```
.border{ border-color:rgb(167, 239, 238) }
```

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



Here you see how a box with a 4 pixel `rgb(167, 239, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(167, 239, 238); -webkit-box-shadow:4px 4px 4px 4px rgb(167, 239, 238); box-shadow:4px 4px 4px 4px rgb(167, 239, 238) }
```


Background

The CSS property to change the background color of an element to Yxy 76.1215, 0.2698, 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(167, 239, 238) }
```

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

```
.background{ background-color: rgb(167,  
239, 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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