

Converting Colors

$Yxy(71.8975, 0.2737, 0.3298)$

Have a look what the booklet for
Yxy(71.8975, 0.2737, 0.3298)
contains.

Yxy(71.9178, 0.2737, 0.3300)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(71.9178, 0.2737, 0.3300)

Conversions

Conversions Part 1

Format	Color
Hex	A9E8E7
RGB	169, 232, 231
RGB Percent	66%, 91%, 91%
CMY	0.3372, 0.0902, 0.0940
CMYK	0.27, 0.00, 0.00, 0.09
HSL	179°, 58%, 79%
HSV	179°, 27%, 91%
XYZ	59.6482, 71.9178, 86.3667
YIQ	213.0490, -37.2270, -13.6670

Conversions

Conversions Part 2

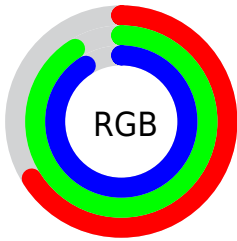
Format	Color
RYB	169, 201, 232
Decimal	11135207
CIELab	87.93, -19.89, -5.95
CIElCh	88, 20.762, 196.649
Yxy	71.9178, 0.2737, 0.3300
Android (android.graphics.Color)	4289325287 (0xFFA9E8E7)
YUV	213.0490, 8.8498, -38.6310
Hunter-Lab	84.8044, -22.8575, -1.0193

Details

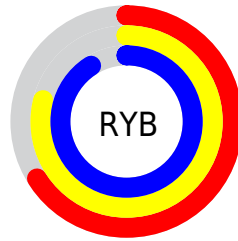
The Yxy color **71.9178, 0.2737, 0.3300** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **48.4370, 0.3706, 0.3281**, and the grayscale version is **66.5367, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.9088, 0.2952, 0.3289**, and **37.7907, 0.2652, 0.3304** is the 20% darker color. If you saturate the color by 10%, you get **69.5582, 0.2615, 0.3304**, and if you desaturate by 10%, it is **74.7385, 0.2872, 0.3296**.

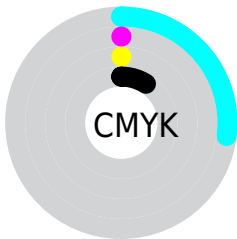
Distribution



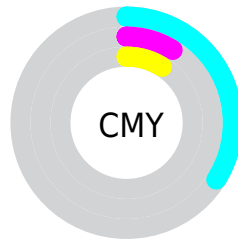
- Red (66%)
- Green (91%)
- Blue (91%)



- Red (66%)
- Yellow (79%)
- Blue (91%)



- Cyan (27%)
- Magenta (0%)
- Yellow (0%)
- Black (9%)



- Cyan (34%)
- Magenta (9%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 71.9178, 0.2737, 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 71.9178, 0.2737, 0.3300 by changing the saturation by 10% instead.

■ 71.9178, 0.2737,
0.3300

■ 71.9178, 0.2737,
0.3300

467.2554, 0.2916,
0.3298

■ 53.0915, 0.2696,
0.3300

■ 121.9397, 0.2799,
0.3300

■ 37.8758, 0.2647,
0.3299

153.9040, 0.2823,
0.3300

■ 25.8863, 0.2584,
0.3298

191.0166, 0.2844,
0.3299

■ 16.7386, 0.2502,
0.3296

233.6617, 0.2862,
0.3299

■ 10.0483, 0.2392,
0.3291

282.2237, 0.2878,
0.3299

■ 5.4310, 0.2236,
0.3282

337.0871, 0.2892,

■ 2.5023, 0.1997,

0.3298

398.6362, 0.2905,
0.3298

0.3258

0.8778, 0.1312,
0.3302

0.0000, 0.0000,
0.0000

71.9178, 0.2737,
0.3300

71.9178, 0.2737,
0.3300

69.5582, 0.2615,
0.3304

74.7385, 0.2872,
0.3296

67.6269, 0.2510,
0.3309

78.0339, 0.3018,
0.3292


66.1005, 0.2423,
0.3314

81.8277, 0.3171,
0.3289

64.9500, 0.2354,
0.3318

84.8247, 0.3282,
0.3286


 64.1422, 0.2306,
0.3323


 84.8449, 0.3280,
0.3282

 63.6384, 0.2276,
0.3328

 84.8651, 0.3278,
0.3279

 63.3882, 0.2262,
0.3333

 84.8853, 0.3275,
0.3276

 63.3399, 0.2260,
0.3334

 84.9056, 0.3273,
0.3272

 84.9260, 0.3271,
0.3269

Harmonies

Analogous

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



71.9178, 0.2923, 0.3532



71.9178, 0.2737, 0.3300



71.9178, 0.2654, 0.3076

Triad

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



71.9178, 0.2737, 0.3300



71.9178, 0.3070, 0.2924



71.9178, 0.3579, 0.3647

Complementary

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



71.9178, 0.2737, 0.3300



48.4370, 0.3706, 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.



71.9178, 0.3625, 0.3472



71.9178, 0.2737, 0.3300



71.9178, 0.3324, 0.3064

Square

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



71.9178, 0.2737, 0.3300



71.9178, 0.2840, 0.2872



71.9178, 0.3531, 0.3261



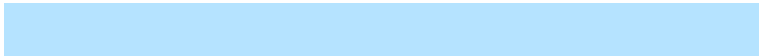
71.9178, 0.3410, 0.3734

Rectangle

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



71.9178, 0.2737, 0.3300



71.9178, 0.2665, 0.2964



71.9178, 0.3531, 0.3261



71.9178, 0.3610, 0.3596

Sweetspot

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



71.9207, 0.2737, 0.3300



96.3141, 0.3005, 0.3293



69.1306, 0.3097, 0.4070



20.4764, 0.2982, 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.



71.9207, 0.2737, 0.3300



87.2988, 0.2662, 0.3303



56.2949, 0.2696, 0.2921



16.3324, 0.2984, 0.3293



35.1660, 0.2259, 0.3334



2.5999, 0.2257, 0.3326

Inverse Universe

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



48.4370, 0.3706, 0.3281



53.3128, 0.3889, 0.3279



61.0774, 0.3626, 0.3632



14.3715, 0.3290, 0.3287



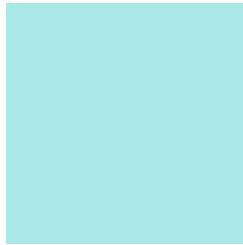
9.5302, 0.6384, 0.3290



0.7055, 0.6336, 0.3264

Previews

White Background



This preview shows how the Yxy color 71.9178, 0.2737, 0.3300 looks on a white background.

Color Contrast Check

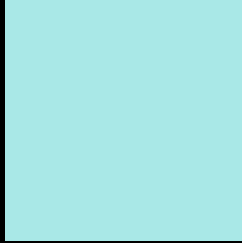
Large Text (above 18pt) WCAG AA × Fail

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 71.9178, 0.2737, 0.3300 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

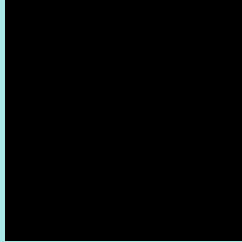
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 71.9178, 0.2737, 0.3300

Background



This preview shows how black text looks on a background with the Yxy color 71.9178, 0.2737, 0.3300.

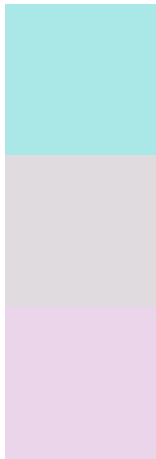


This preview shows how white text looks on a background with the Yxy color 71.9178, 0.2737, 0.3300.

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



Original Color

71.9178, 0.2737, 0.3300

Protanopia

71.6787, 0.3129, 0.3247

Deuteranopia

71.0791, 0.3131, 0.3060



Tritanopia

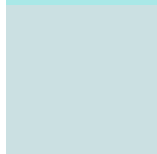
71.7002, 0.2666, 0.3074

Trichromacy



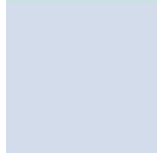
Original Color

71.9178, 0.2737, 0.3300



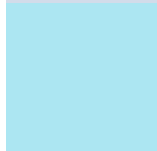
Protanomaly

71.4988, 0.2971, 0.3267



Deuteranomaly

70.8286, 0.2968, 0.3136



Tritanomaly

71.7751, 0.2693, 0.3152

Monochromacy



Original Color

71.9178, 0.2737, 0.3300



Achromatopsia

66.5387, 0.3127, 0.3290



Achromatomaly

68.2240, 0.2967, 0.3290

CSS Examples

Text

The CSS property to change the color of the text to Yxy 71.9178, 0.2737, 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(169, 232, 231)` looks like.

```
.text, #text, p{  
    color:rgb(169, 232, 231)  
}
```

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(169, 232, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 232, 231) }
```

Border

The CSS property to change the border of an element to Yxy 71.9178, 0.2737, 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(169, 232, 231) }
```

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

```
.border{ border-color:rgb(169, 232, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 232, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 232, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 232, 231);  
box-shadow:4px 4px 4px 4px rgb(169, 232,  
231) }
```


Background

The CSS property to change the background color of an element to Yxy 71.9178, 0.2737, 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(169, 232, 231) }
```

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

```
.background{ background-color: rgb(169,  
232, 231) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor