

Converting Colors

$Yxy(80.2867, 0.2697, 0.3299)$

Have a look what the booklet for
Yxy(80.2867, 0.2697, 0.3299)
contains.

Yxy(80.4944, 0.2697, 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(80.4944, 0.2697, 0.3300)

Conversions

Conversions Part 1

Format	Color
Hex	ABF5F4
RGB	171, 245, 244
RGB Percent	67%, 96%, 96%
CMY	0.3291, 0.0392, 0.0432
CMYK	0.30, 0.00, 0.00, 0.04
HSL	179°, 79%, 82%
HSV	179°, 30%, 96%
XYZ	65.7859, 80.4944, 97.6421
YIQ	222.7600, -43.7830, -15.9990

Conversions

Conversions Part 2

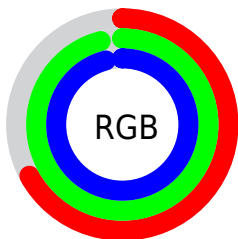
Format	Color
RYB	171, 208, 245
Decimal	11269620
CIELab	91.91, -22.83, -6.82
CIELCh	92, 23.826, 196.635
Yxy	80.4944, 0.2697, 0.3300
Android (android.graphics.Color)	4289459700 (0xFFABF5F4)
YUV	222.7600, 10.4713, -45.3935
Hunter-Lab	89.7187, -26.1232, -1.7231

Details

The Yxy color **80.4944, 0.2697, 0.3300** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **51.5485, 0.3799, 0.3281**, and the grayscale version is **73.5724, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.2340, 0.2964, 0.3290**, and **43.7390, 0.2604, 0.3303** is the 20% darker color. If you saturate the color by 10%, you get **77.9748, 0.2580, 0.3304**, and if you desaturate by 10%, it is **83.5305, 0.2829, 0.3296**.

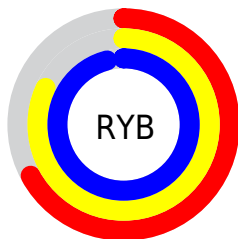
Distribution



Red (67%)

Green (96%)

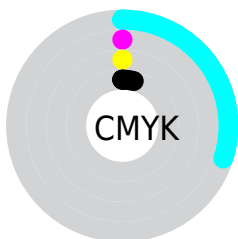
Blue (96%)



Red (67%)

Yellow (82%)

Blue (96%)

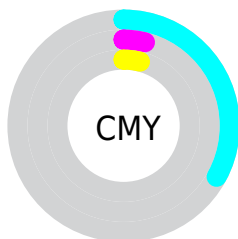


Cyan (30%)

Magenta (0%)

Yellow (0%)

Black (4%)



Cyan (33%)


Magenta (4%)

Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 80.4944, 0.2697, 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 80.4944, 0.2697, 0.3300 by changing the saturation by 10% instead.


 80.4944, 0.2697,
0.3300

 80.4944, 0.2697,
0.3300


496.5974, 0.2890,
0.3299

 60.1253, 0.2654,
0.3300


 134.0606, 0.2763,
0.3300

 43.5196, 0.2602,
0.3299


168.0265, 0.2789,
0.3300

 30.2930, 0.2537,
0.3297


207.2934, 0.2811,
0.3300

 20.0611, 0.2454,
0.3294

252.2458, 0.2831,
0.3300

 12.4395, 0.2344,
0.3289

303.2679, 0.2848,
0.3299

 7.0437, 0.2193,
0.3278

360.7444, 0.2864,

 3.4895, 0.1970,

0.3299

425.0594, 0.2878,
0.3299

0.3256

1.3923, 0.1601,
0.3205

0.2110, 0.0000,
0.2300

80.4944, 0.2697,
0.3300

80.4944, 0.2697,
0.3300

77.9748, 0.2580,
0.3304

83.5305, 0.2829,
0.3296

75.9337, 0.2479,
0.3308

87.0993, 0.2972,
0.3293

74.3434, 0.2398,
0.3312

91.2284, 0.3125,
0.3290

73.1695, 0.2336,
0.3317

93.1726, 0.3190,
0.3287

72.3723, 0.2293,
0.3321

93.1931, 0.3188,
0.3284

71.9047, 0.2268,
0.3325

93.2136, 0.3186,
0.3281

71.6898, 0.2258,
0.3330

93.2342, 0.3184,
0.3277

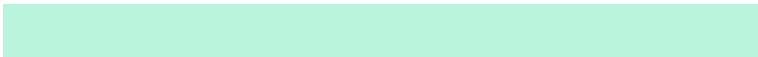
93.2549, 0.3182,
0.3274

93.2755, 0.3180,
0.3271

Harmonies

Analogous

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



80.4944, 0.2901, 0.3558



80.4944, 0.2697, 0.3300



80.4944, 0.2606, 0.3053

Triad

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



80.4944, 0.2697, 0.3300



80.4944, 0.3063, 0.2888



80.4944, 0.3627, 0.3683

Complementary

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



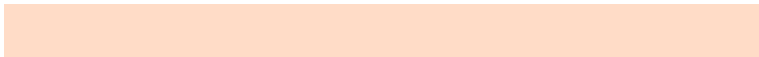
80.4944, 0.2697, 0.3300



51.5485, 0.3799, 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.



80.4944, 0.3678, 0.3489



80.4944, 0.2697, 0.3300



80.4944, 0.3345, 0.3041

Square

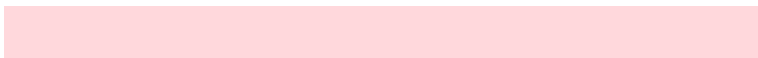
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.4944, 0.2697, 0.3300



80.4944, 0.2810, 0.2830



80.4944, 0.3574, 0.3256



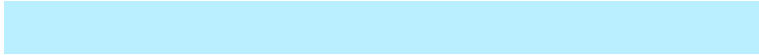
80.4944, 0.3438, 0.3782

Rectangle

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



80.4944, 0.2697, 0.3300



80.4944, 0.2618, 0.2930



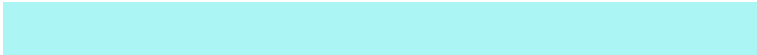
80.4944, 0.3574, 0.3256



80.4944, 0.3661, 0.3626

Sweetspot

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



80.4976, 0.2697, 0.3300



95.8840, 0.2989, 0.3293



77.0494, 0.3093, 0.4175



20.3909, 0.2968, 0.3293



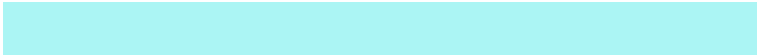
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

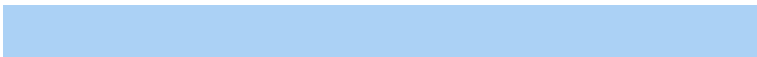
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.4976, 0.2697, 0.3300



86.4671, 0.2626, 0.3302



60.9910, 0.2645, 0.2872



18.7537, 0.2983, 0.3293



38.6252, 0.2258, 0.3329



3.3960, 0.2257, 0.3323

Inverse Universe

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



51.5485, 0.3799, 0.3281



50.2223, 0.3991, 0.3279



66.8849, 0.3695, 0.3673



16.4862, 0.3292, 0.3287



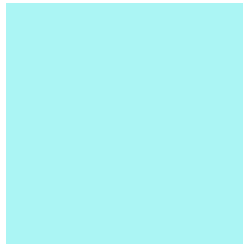
10.4635, 0.6386, 0.3292



0.9209, 0.6350, 0.3272

Previews

White Background



This preview shows how the Yxy color 80.4944, 0.2697, 0.3300 looks on a white background.

Color Contrast Check

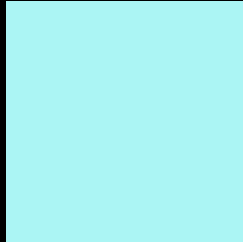
Large Text (above 18pt) WCAG AA × Fail

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 80.4944, 0.2697, 0.3300 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

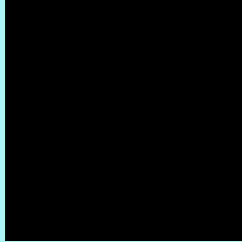
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 80.4944, 0.2697, 0.3300

Background



This preview shows how black text looks on a background with the Yxy color 80.4944, 0.2697, 0.3300.

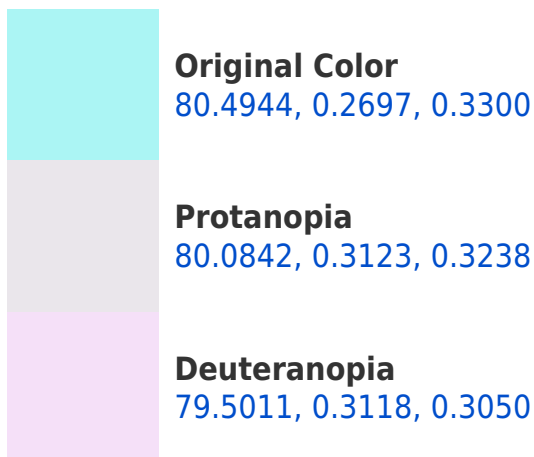


This preview shows how white text looks on a background with the Yxy color 80.4944, 0.2697, 0.3300.

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

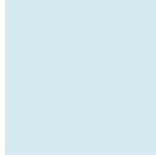
80.4873, 0.2737, 0.3127

Trichromacy



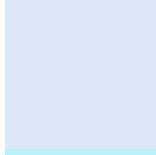
Original Color

80.4944, 0.2697, 0.3300



Protanomaly

79.4386, 0.2953, 0.3257



Deuteranomaly

79.3341, 0.2944, 0.3132



Tritanomaly

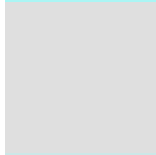
80.5366, 0.2721, 0.3191

Monochromacy



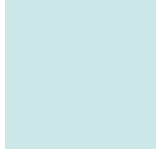
Original Color

80.4944, 0.2697, 0.3300



Achromatopsia

73.7910, 0.3127, 0.3290



Achromatomaly

75.7587, 0.2948, 0.3289

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.4944, 0.2697, 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(171, 245, 244)` looks like.

```
.text, #text, p{  
    color:rgb(171, 245, 244)  
}
```

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(171, 245, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 245, 244) }
```

Border

The CSS property to change the border of an element to Yxy 80.4944, 0.2697, 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(171, 245, 244) }
```

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

```
.border{ border-color:rgb(171, 245, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 245, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(171, 245, 244); -webkit-box-shadow:4px 4px 4px 4px rgb(171, 245, 244); box-shadow:4px 4px 4px 4px rgb(171, 245, 244) }
```


Background

The CSS property to change the background color of an element to Yxy 80.4944, 0.2697, 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(171, 245, 244) }
```

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

```
.background{ background-color: rgb(171,  
245, 244) }
```

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