

Converting Colors

$Y_{xy}(82.8272, 0.2799, 0.3344)$

Have a look what the booklet for
Yxy(82.8272, 0.2799, 0.3344)
contains.

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Color

Yxy(82.8272, 0.2799, 0.3344)

Conversions

Conversions Part 1

Format	Color
Hex	BBF6F1
RGB	187, 246, 241
RGB Percent	73%, 96%, 95%
CMY	0.2666, 0.0353, 0.0550
CMYK	0.24, 0.00, 0.02, 0.04
HSL	175°, 77%, 85%
HSV	175°, 24%, 96%
XYZ	69.3281, 82.8272, 95.5336
YIQ	227.7890, -33.5590, -14.0630

Conversions

Conversions Part 2

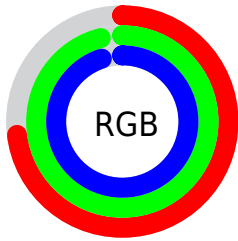
Format	Color
R _Y B	187, 218, 246
Decimal	12318449
CIE Lab	92.94, -19.48, -3.64
CIE LCh	93, 19.817, 190.591
Yxy	82.8272, 0.2799, 0.3344
Android (android.graphics.Color)	4290508529 (0xFFBBF6F1)
YUV	227.7890, 6.5130, -35.7720
Hunter-Lab	91.0095, -23.2908, 1.4692

Details

The Yxy color **82.8272, 0.2799, 0.3344** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **58.9537, 0.3586, 0.3238**, and the grayscale version is **77.3954, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.9731, 0.3060, 0.3290**, and **45.2352, 0.2725, 0.3360** is the 20% darker color. If you saturate the color by 10%, you get **79.8640, 0.2679, 0.3370**, and if you desaturate by 10%, it is **86.3301, 0.2930, 0.3320**.

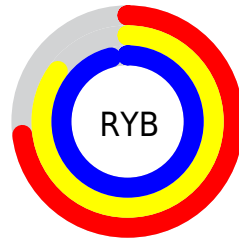
Distribution



Red (73%)

Green (96%)

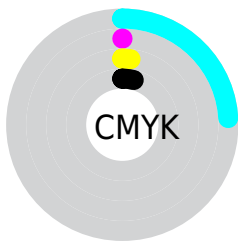
Blue (95%)



Red (73%)

Yellow (85%)

Blue (96%)

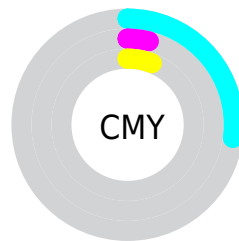


Cyan (24%)

Magenta (0%)

Yellow (2%)

Black (4%)



Cyan (27%)


Magenta (4%)

Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 82.8272, 0.2799, 0.3344 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 82.8272, 0.2799, 0.3344 by changing the saturation by 10% instead.


 82.8272, 0.2799,
0.3344

 82.8272, 0.2799,
0.3344


504.4104, 0.2946,
0.3321

 62.0476, 0.2766,
0.3349


 137.3334, 0.2849,
0.3336

 45.0712, 0.2727,
0.3354


171.8288, 0.2869,
0.3333

 31.5135, 0.2677,
0.3361


211.6650, 0.2886,
0.3331

 20.9902, 0.2613,
0.3370

257.2262, 0.2901,
0.3328

 13.1168, 0.2529,
0.3380

308.8970, 0.2914,
0.3326

 7.5090, 0.2412,
0.3394

367.0617, 0.2926,


 3.7824, 0.2239,

0.3324

0.3410


432.1047, 0.2937,
0.3323


 1.5526, 0.1958,
0.3429


 0.3253, 0.0000,
0.3482

 82.8272, 0.2799,
0.3344


 82.8272, 0.2799,
0.3344


 79.8640, 0.2679,
0.3370


 86.3301, 0.2930,
0.3320


 77.4032, 0.2574,
0.3397

 90.3876, 0.3070,
0.3298


 75.4188, 0.2486,
0.3425

 93.9045, 0.3178,
0.3278


 73.8782, 0.2417,
0.3454


 94.0348, 0.3165,
0.3258

 72.7449, 0.2367,
0.3483


 94.1666, 0.3152,
0.3238

 71.9763, 0.2336,
0.3513

 94.2998, 0.3140,
0.3218

 71.5207, 0.2323,
0.3542

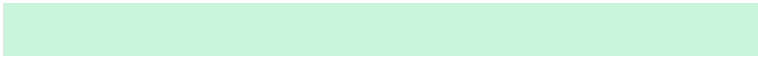
 94.3927, 0.3131,
0.3204

 71.3514, 0.2322,
0.3559

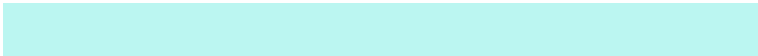
Harmonies

Analogous

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



82.8272, 0.2984, 0.3546



82.8272, 0.2799, 0.3344



82.8272, 0.2701, 0.3134

Triad

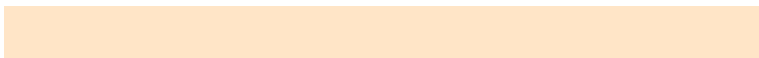
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



82.8272, 0.2799, 0.3344



82.8272, 0.3029, 0.2939



82.8272, 0.3557, 0.3589

Complementary

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



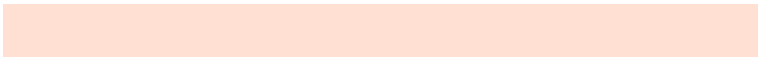
82.8272, 0.2799, 0.3344



58.9537, 0.3586, 0.3238

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.



82.8272, 0.3573, 0.3419



82.8272, 0.2799, 0.3344



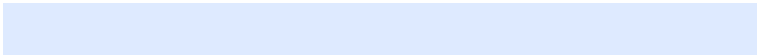
82.8272, 0.3262, 0.3053

Square

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



82.8272, 0.2799, 0.3344



82.8272, 0.2831, 0.2910



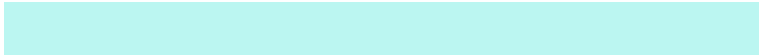
82.8272, 0.3463, 0.3225



82.8272, 0.3423, 0.3687

Rectangle

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



82.8272, 0.2799, 0.3344



82.8272, 0.2697, 0.3021



82.8272, 0.3463, 0.3225



82.8272, 0.3577, 0.3538

Sweetspot

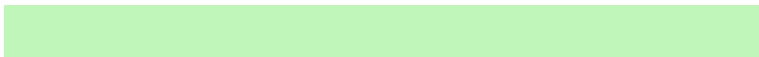
The Sweet Spot groups the original color and five complimentary colors.



82.8306, 0.2799, 0.3344



96.6728, 0.3027, 0.3305



80.8294, 0.3133, 0.3962



20.6336, 0.3018, 0.3306



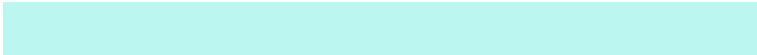
0.0000, 0.0000, 0.0000



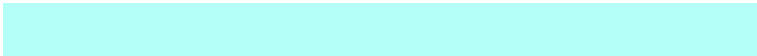
21.4041, 0.3127, 0.3290

Same Dimension

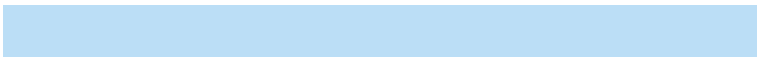
The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.8306, 0.2799, 0.3344



88.1707, 0.2737, 0.3357



69.6841, 0.2751, 0.3025



18.7320, 0.2992, 0.3310



38.0944, 0.2321, 0.3554



3.3552, 0.2311, 0.3518

Inverse Universe

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



58.9537, 0.3586, 0.3238



57.9309, 0.3719, 0.3226



69.5809, 0.3571, 0.3541



16.5054, 0.3280, 0.3270



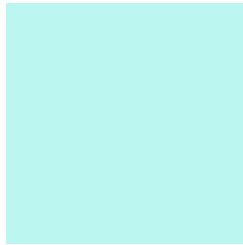
10.4949, 0.6307, 0.3248



0.9301, 0.6099, 0.3134

Previews

White Background



This preview shows how the Yxy color 82.8272, 0.2799, 0.3344 looks on a white background.

Color Contrast Check

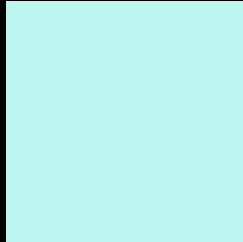
Large Text (above 18pt) WCAG AA × Fail

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 82.8272, 0.2799, 0.3344 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

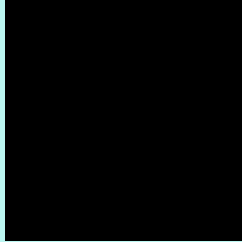
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

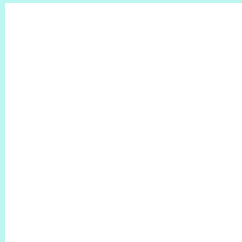
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 82.8272, 0.2799, 0.3344

Background



This preview shows how black text looks on a background with the Yxy color 82.8272, 0.2799, 0.3344.

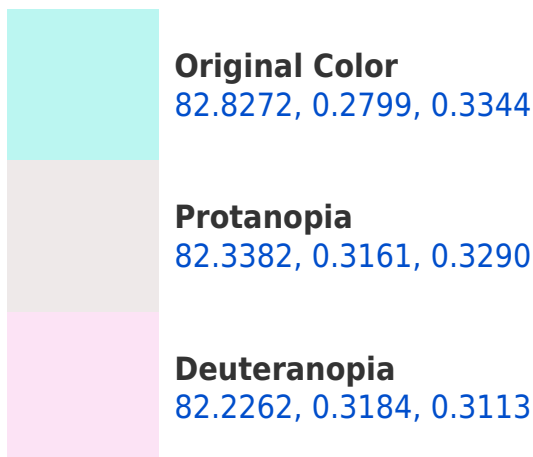


This preview shows how white text looks on a background with the Yxy color 82.8272, 0.2799, 0.3344.

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

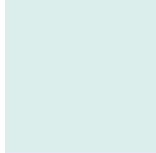
82.3775, 0.2817, 0.3131

Trichromacy



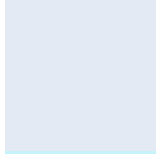
Original Color

82.8272, 0.2799, 0.3344



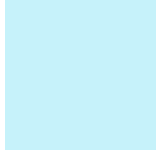
Protanomaly

82.2653, 0.3015, 0.3311



Deuteranomaly

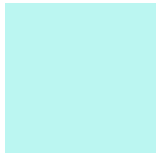
81.8713, 0.3026, 0.3187



Tritanomaly

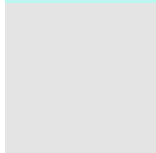
82.4122, 0.2810, 0.3204

Monochromacy



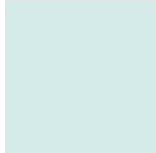
Original Color

82.8272, 0.2799, 0.3344



Achromatopsia

77.5822, 0.3127, 0.3290



Achromatomaly

79.4460, 0.2995, 0.3311

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.8272, 0.2799, 0.3344 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(187, 246, 241)` looks like.

```
.text, #text, p{  
    color:rgb(187, 246, 241)  
}
```

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(187, 246, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 246, 241) }
```

Border

The CSS property to change the border of an element to Yxy 82.8272, 0.2799, 0.3344 is called "border". The border property can be set on classes, ids or directly on the HTML element.

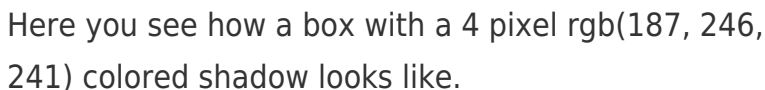
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(187, 246, 241) }
```

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

```
.border{ border-color:rgb(187, 246, 241) }
```

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



Here you see how a box with a 4 pixel `rgb(187, 246, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(187, 246, 241); -webkit-box-shadow:4px 4px 4px 4px rgb(187, 246, 241); box-shadow:4px 4px 4px 4px rgb(187, 246, 241) }
```


Background

The CSS property to change the background color of an element to Yxy 82.8272, 0.2799, 0.3344 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 246, 241) }
```

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

```
.background{ background-color: rgb(187,  
246, 241) }
```

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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