

Converting Colors

$Yxy(83.1777, 0.2806, 0.3379)$

Have a look what the booklet for
Yxy(83.1777, 0.2806, 0.3379)
contains.

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Color

Yxy(83.1926, 0.2804, 0.3377)

Conversions

Conversions Part 1

Format	Color
Hex	BAF7EF
RGB	186, 247, 239
RGB Percent	73%, 97%, 94%
CMY	0.2709, 0.0313, 0.0627
CMYK	0.25, 0.00, 0.03, 0.03
HSL	172°, 79%, 85%
HSV	172°, 25%, 97%
XYZ	69.0767, 83.1926, 94.0813
YIQ	227.8490, -33.7880, -15.4200

Conversions

Conversions Part 2

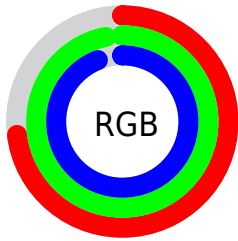
Format	Color
R _Y B	186, 219, 247
Decimal	12253167
CIE Lab	93.10, -20.71, -2.39
CIE LCh	93, 20.851, 186.585
Yxy	83.1926, 0.2804, 0.3377
Android (android.graphics.Color)	4290443247 (0xFFBAF7EF)
YUV	227.8490, 5.4974, -36.7016
Hunter-Lab	91.2100, -24.4328, 2.6905

Details

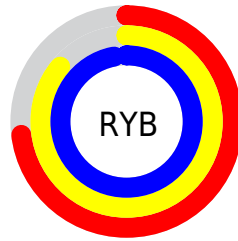
The Yxy color **83.1926, 0.2804, 0.3377** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **58.7560, 0.3581, 0.3206**, and the grayscale version is **77.4361, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.7947, 0.3054, 0.3290**, and **45.5058, 0.2733, 0.3404** is the 20% darker color. If you saturate the color by 10%, you get **80.1767, 0.2690, 0.3417**, and if you desaturate by 10%, it is **86.7534, 0.2929, 0.3340**.

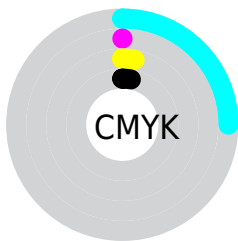
Distribution



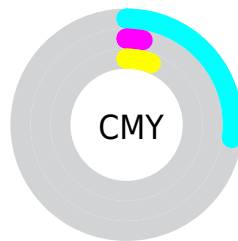
- Red (73%)
- Green (97%)
- Blue (94%)



- Red (73%)
- Yellow (86%)
- Blue (97%)



- Cyan (25%)
- Magenta (0%)
- Yellow (3%)
- Black (3%)





- Cyan (27%)
- Magenta (3%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 83.1926, 0.2804, 0.3377 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 83.1926, 0.2804, 0.3377 by changing the saturation by 10% instead.


 83.1926, 0.2804,
0.3377

 83.1926, 0.2804,
0.3377


505.6282, 0.2949,
0.3339

 62.3490, 0.2772,
0.3385


 137.8452, 0.2854,
0.3364

 45.3148, 0.2733,
0.3395


172.4230, 0.2873,
0.3359

 31.7055, 0.2684,
0.3408


212.3477, 0.2890,
0.3355

 21.1366, 0.2621,
0.3423

258.0037, 0.2905,
0.3351

 13.2239, 0.2537,
0.3443

309.7753, 0.2918,
0.3347

 7.5829, 0.2422,
0.3470

368.0470, 0.2929,

 3.8292, 0.2250,

0.3344

433.2032, 0.2940,
0.3341

0.3509

1.5785, 0.1972,
0.3565

0.3430, 0.0000,
0.3882

83.1926, 0.2804,
0.3377

83.1926, 0.2804,
0.3377

80.1767, 0.2690,
0.3417

86.7534, 0.2929,
0.3340

77.6680, 0.2590,
0.3460

90.8745, 0.3062,
0.3305

75.6399, 0.2507,
0.3505

94.6166, 0.3168,
0.3274

74.0593, 0.2442,
0.3550

94.8203, 0.3149,
0.3243

72.8887, 0.2397,
0.3597

95.0141, 0.3131,
0.3214

72.0848, 0.2371,
0.3643

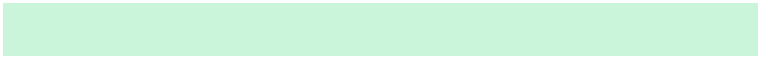
71.5942, 0.2364,
0.3689

71.4206, 0.2365,
0.3714

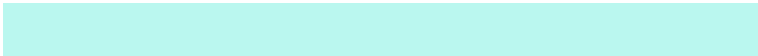
Harmonies

Analogous

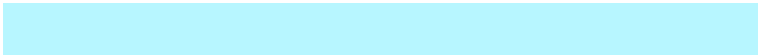
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.1926, 0.3007, 0.3584



83.1926, 0.2804, 0.3377



83.1926, 0.2688, 0.3153

Triad

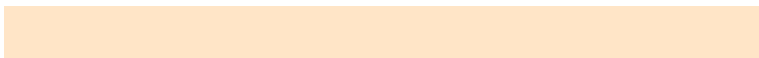
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.1926, 0.2804, 0.3377



83.1926, 0.2993, 0.2912



83.1926, 0.3589, 0.3583

Complementary

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



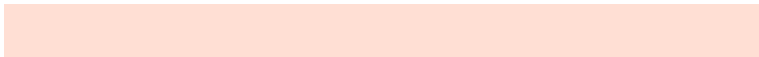
83.1926, 0.2804, 0.3377



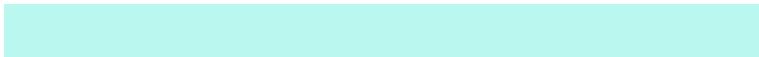
58.7560, 0.3581, 0.3206

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.



83.1926, 0.3587, 0.3398



83.1926, 0.2804, 0.3377



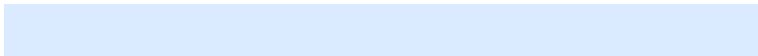
83.1926, 0.3236, 0.3021

Square

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



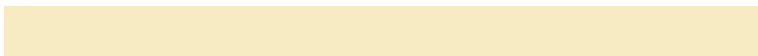
83.1926, 0.2804, 0.3377



83.1926, 0.2793, 0.2895



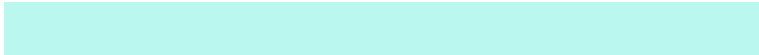
83.1926, 0.3456, 0.3195



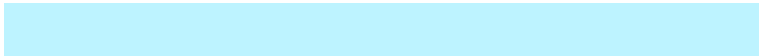
83.1926, 0.3463, 0.3699

Rectangle

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



83.1926, 0.2804, 0.3377



83.1926, 0.2672, 0.3028



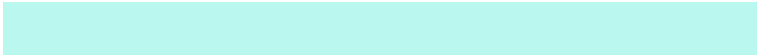
83.1926, 0.3456, 0.3195



83.1926, 0.3604, 0.3527

Sweetspot

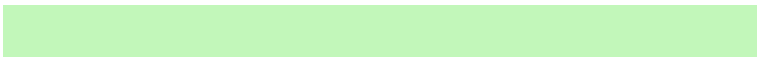
The Sweet Spot groups the original color and five complimentary colors.



83.1960, 0.2804, 0.3377



96.6204, 0.3031, 0.3313



81.5547, 0.3145, 0.3984



20.6215, 0.3023, 0.3315



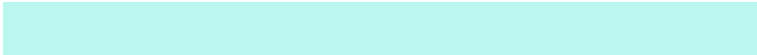
0.0000, 0.0000, 0.0000



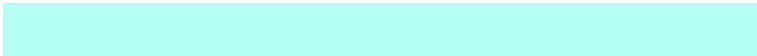
21.4041, 0.3127, 0.3290

Same Dimension

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



83.1960, 0.2804, 0.3377



87.6346, 0.2742, 0.3398



70.7906, 0.2741, 0.3039



18.7182, 0.2998, 0.3321



37.7801, 0.2363, 0.3706



3.3307, 0.2347, 0.3648

Inverse Universe

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



58.7560, 0.3581, 0.3206



56.9541, 0.3715, 0.3187



68.5908, 0.3593, 0.3528



16.5179, 0.3273, 0.3259



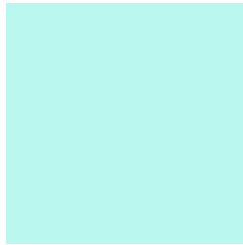
10.5256, 0.6232, 0.3207



0.9360, 0.5952, 0.3052

Previews

White Background



This preview shows how the Yxy color 83.1926, 0.2804, 0.3377 looks on a white background.

Color Contrast Check

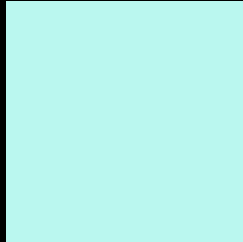
Large Text (above 18pt) WCAG AA × Fail

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 83.1926, 0.2804, 0.3377 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

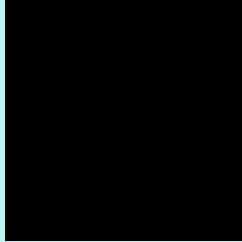
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 83.1926, 0.2804, 0.3377

Background



This preview shows how black text looks on a background with the Yxy color 83.1926, 0.2804, 0.3377.

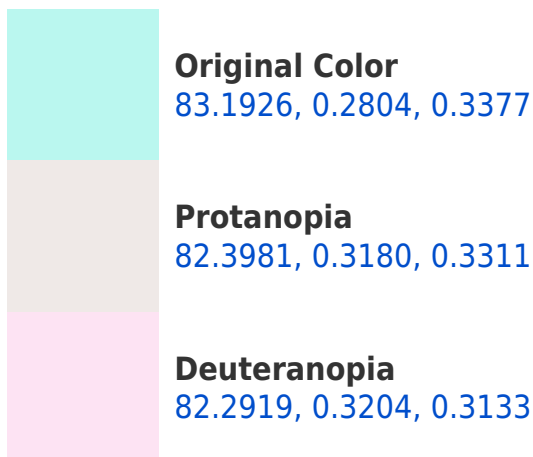


This preview shows how white text looks on a background with the Yxy color 83.1926, 0.2804, 0.3377.

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

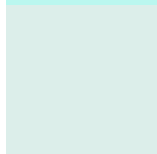
83.1097, 0.2823, 0.3142

Trichromacy



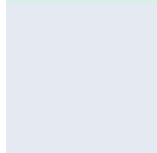
Original Color

83.1926, 0.2804, 0.3377



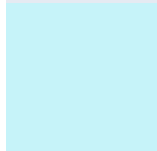
Protanomaly

82.3052, 0.3034, 0.3332



Deuteranomaly

81.9145, 0.3045, 0.3207



Tritanomaly

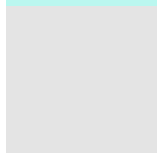
82.9465, 0.2816, 0.3225

Monochromacy



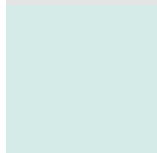
Original Color

83.1926, 0.2804, 0.3377



Achromatopsia

77.5822, 0.3127, 0.3290



Achromatomaly

79.3890, 0.3001, 0.3322

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.1926, 0.2804, 0.3377 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(186, 247, 239)` looks like.

```
.text, #text, p{  
    color:rgb(186, 247, 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(186, 247, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 247, 239) }
```

Border

The CSS property to change the border of an element to Yxy 83.1926, 0.2804, 0.3377 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(186, 247, 239) }
```

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

```
.border{ border-color:rgb(186, 247, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 247, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 247, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 247, 239);  
box-shadow:4px 4px 4px 4px rgb(186, 247,  
239) }
```


Background

The CSS property to change the background color of an element to Yxy 83.1926, 0.2804, 0.3377 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 247, 239) }
```

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

```
.background{ background-color: rgb(186,  
247, 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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