

Converting Colors

$Yxy(83.6702, 0.2811, 0.3346)$

Have a look what the booklet for
Yxy(83.6702, 0.2811, 0.3346)
contains.

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Color

Yxy(83.8795, 0.2811, 0.3343)

Conversions

Conversions Part 1

Format	Color
Hex	BEF7F2
RGB	190, 247, 242
RGB Percent	75%, 97%, 95%
CMY	0.2548, 0.0314, 0.0509
CMYK	0.23, 0.00, 0.02, 0.03
HSL	175°, 78%, 86%
HSV	175°, 23%, 97%
XYZ	70.5310, 83.8795, 96.5003
YIQ	229.3870, -32.3670, -13.6390

Conversions

Conversions Part 2

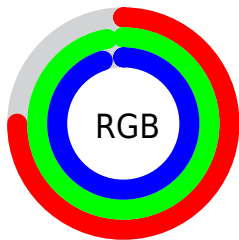
Format	Color
R_{YB}	190, 220, 247
Decimal	12515314
CIE _{Lab}	93.40, -18.87, -3.49
CIE _{LCh}	93, 19.192, 190.489
Yxy	83.8795, 0.2811, 0.3343
Android (android.graphics.Color)	4290705394 (0xFFBEF7F2)
YUV	229.3870, 6.2182, -34.5424
Hunter-Lab	91.5858, -22.8106, 1.6385

Details

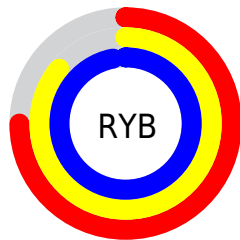
The Yxy color **83.8795, 0.2811, 0.3343** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **60.5521, 0.3563, 0.3238**, and the grayscale version is **78.6324, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.5142, 0.3078, 0.3290**, and **45.9577, 0.2740, 0.3360** is the 20% darker color. If you saturate the color by 10%, you get **80.8381, 0.2691, 0.3369**, and if you desaturate by 10%, it is **87.4682, 0.2943, 0.3319**.

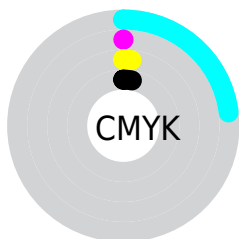
Distribution



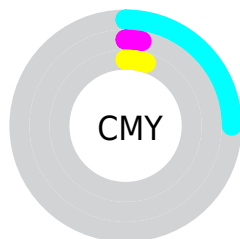
- Red (75%)
- Green (97%)
- Blue (95%)



- Red (75%)
- Yellow (86%)
- Blue (97%)



- Cyan (23%)
- Magenta (0%)
- Yellow (2%)
- Black (3%)




- Cyan (25%)
- Magenta (3%)
- Yellow (5%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 83.8795, 0.2811, 0.3343 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 83.8795, 0.2811, 0.3343 by changing the saturation by 10% instead.

 83.8795, 0.2811,
0.3343


 83.8795, 0.2811,
0.3343


 507.9130, 0.2953,
0.3321

 62.9160, 0.2780,
0.3348


 138.8066, 0.2859,
0.3336


 45.7732, 0.2742,
0.3353

 173.5389, 0.2878,
0.3333

 32.0669, 0.2694,
0.3360


 213.6297, 0.2895,
0.3330

 21.4126, 0.2633,
0.3368

 259.4632, 0.2909,
0.3328

 13.4259, 0.2552,
0.3379

 311.4239, 0.2922,
0.3326

 7.7225, 0.2441,
0.3392

 369.8962, 0.2933,

 3.9179, 0.2276,

0.3324

0.3409

435.2644, 0.2944,
0.3322

■ 1.6277, 0.2009,
0.3430

■ 0.3762, 0.0000,
0.3652

■ 83.8795, 0.2811,
0.3343

■ 83.8795, 0.2811,
0.3343

■ 80.8381, 0.2691,
0.3369

■ 87.4682, 0.2943,
0.3319

■ 78.3066, 0.2584,
0.3397


■ 91.6192, 0.3083,
0.3296


■ 76.2590, 0.2494,
0.3426


■ 94.5874, 0.3170,
0.3276

■ 74.6625, 0.2423,
0.3455


■ 94.7222, 0.3157,
0.3255

 73.4809, 0.2372,
0.3485


 94.8585, 0.3144,
0.3235

 72.6717, 0.2340,
0.3515

 94.9963, 0.3131,
0.3214

 72.1838, 0.2326,
0.3545

 94.9996, 0.3131,
0.3214

 71.9813, 0.2324,
0.3565

Harmonies

Analogous

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



83.8795, 0.2990, 0.3538



83.8795, 0.2811, 0.3343



83.8795, 0.2716, 0.3141

Triad

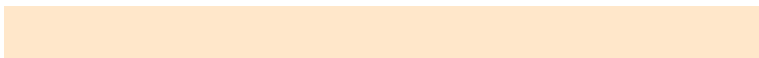
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.8795, 0.2811, 0.3343



83.8795, 0.3032, 0.2950



83.8795, 0.3542, 0.3579

Complementary

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



83.8795, 0.2811, 0.3343



60.5521, 0.3563, 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.



83.8795, 0.3556, 0.3415



83.8795, 0.2811, 0.3343



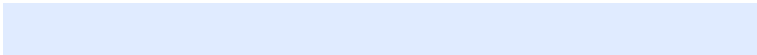
83.8795, 0.3256, 0.3060

Square

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



83.8795, 0.2811, 0.3343



83.8795, 0.2840, 0.2923



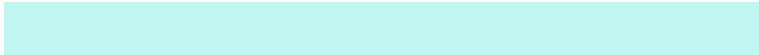
83.8795, 0.3451, 0.3227



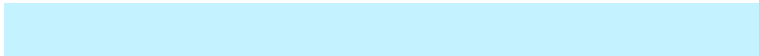
83.8795, 0.3413, 0.3672

Rectangle

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



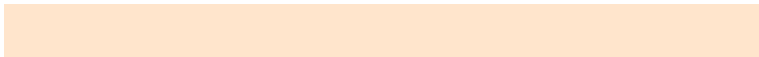
83.8795, 0.2811, 0.3343



83.8795, 0.2711, 0.3031



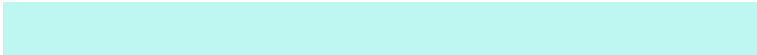
83.8795, 0.3451, 0.3227



83.8795, 0.3561, 0.3530

Sweetspot

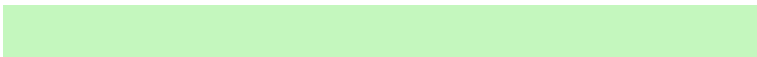
The Sweet Spot groups the original color and five complimentary colors.



83.8829, 0.2811, 0.3343



96.6705, 0.3027, 0.3305



81.9373, 0.3133, 0.3934



20.6331, 0.3018, 0.3306



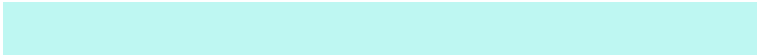
0.0000, 0.0000, 0.0000



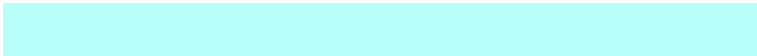
21.4041, 0.3127, 0.3290

Same Dimension

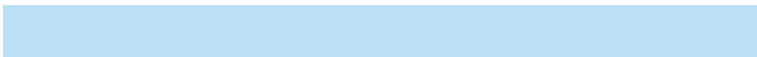
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.8829, 0.2811, 0.3343



88.4866, 0.2749, 0.3356



71.0896, 0.2765, 0.3036



18.7314, 0.2992, 0.3311



38.0804, 0.2322, 0.3560



3.3541, 0.2312, 0.3523

Inverse Universe

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



60.5521, 0.3563, 0.3238



59.0850, 0.3690, 0.3227



70.9880, 0.3551, 0.3531



16.5060, 0.3280, 0.3270



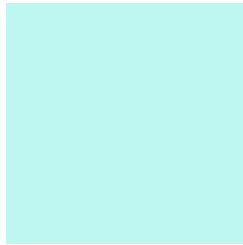
10.4960, 0.6305, 0.3247



0.9304, 0.6093, 0.3130

Previews

White Background



This preview shows how the Yxy color 83.8795, 0.2811, 0.3343 looks on a white background.

Color Contrast Check

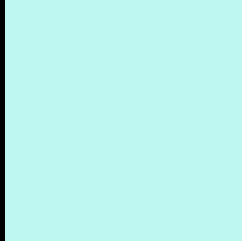
Large Text (above 18pt) WCAG AA × Fail

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 83.8795, 0.2811, 0.3343 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

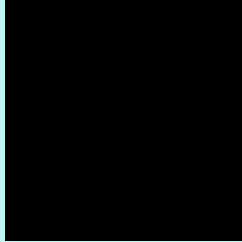
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 83.8795, 0.2811, 0.3343

Background



This preview shows how black text looks on a background with the Yxy color 83.8795, 0.2811, 0.3343.

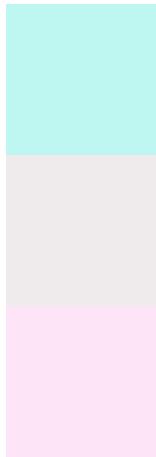


This preview shows how white text looks on a background with the Yxy color 83.8795, 0.2811, 0.3343.

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

83.8795, 0.2811, 0.3343

Protanopia

83.1945, 0.3155, 0.3280

Deuteranopia

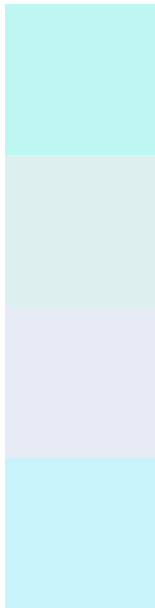
83.0233, 0.3183, 0.3114



Tritanopia

83.5405, 0.2841, 0.3143

Trichromacy



Original Color

83.8795, 0.2811, 0.3343

Protanomaly

83.2782, 0.3016, 0.3300

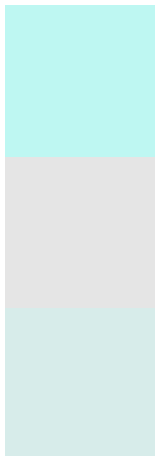
Deuteranomaly

82.8322, 0.3033, 0.3187

Tritanomaly

83.4208, 0.2828, 0.3215

Monochromacy



Original Color

83.8795, 0.2811, 0.3343

Achromatopsia

78.3538, 0.3127, 0.3290

Achromatomaly

80.3785, 0.3002, 0.3311

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.8795, 0.2811, 0.3343 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(190, 247, 242)` looks like.

```
.text, #text, p{  
    color:rgb(190, 247, 242)  
}
```

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(190, 247, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 247, 242) }
```

Border

The CSS property to change the border of an element to Yxy 83.8795, 0.2811, 0.3343 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(190, 247, 242) }
```

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

```
.border{ border-color:rgb(190, 247, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 247, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 247, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 247, 242);  
box-shadow:4px 4px 4px 4px rgb(190, 247,  
242) }
```


Background

The CSS property to change the background color of an element to Yxy 83.8795, 0.2811, 0.3343 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 247, 242) }
```

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

```
.background{ background-color: rgb(190,  
247, 242) }
```

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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