

Converting Colors

Yxy(81.6833, 0.2835, 0.3389)

Have a look what the booklet for
Yxy(81.6833, 0.2835, 0.3389)
contains.

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Color

Yxy(81.3909, 0.2835, 0.3389)

Conversions

Conversions Part 1

Format	Color
Hex	BCF4EB
RGB	188, 244, 235
RGB Percent	74%, 96%, 92%
CMY	0.2626, 0.0431, 0.0786
CMYK	0.23, 0.00, 0.04, 0.04
HSL	170°, 72%, 85%
HSV	170°, 23%, 96%
XYZ	68.0859, 81.3909, 90.6852
YIQ	226.2300, -30.4870, -14.6710

Conversions

Conversions Part 2

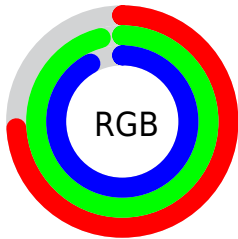
Format	Color
R _{YB}	188, 218, 244
Decimal	12383467
CIE _{Lab}	92.31, -19.45, -1.44
CIE _{LCh}	92, 19.507, 184.230
Yxy	81.3909, 0.2835, 0.3389
Android (android.graphics.Color)	4290573547 (0xFFBCF4EB)
YUV	226.2300, 4.3236, -33.5277
Hunter-Lab	90.2169, -23.1672, 3.5541

Details

The Yxy color **81.3909, 0.2835, 0.3389** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **59.2498, 0.3525, 0.3194**, and the grayscale version is **76.2177, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.1525, 0.3066, 0.3290**, and **44.2077, 0.2768, 0.3419** is the 20% darker color. If you saturate the color by 10%, you get **78.3268, 0.2722, 0.3438**, and if you desaturate by 10%, it is **84.9907, 0.2958, 0.3343**.

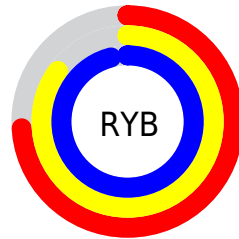
Distribution



Red (74%)

Green (96%)

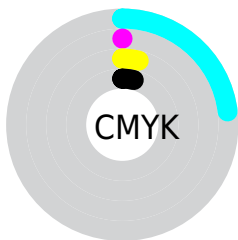
Blue (92%)



Red (74%)

Yellow (85%)

Blue (96%)

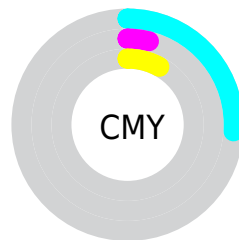


Cyan (23%)

Magenta (0%)

Yellow (4%)

Black (4%)



Cyan (26%)


Magenta (4%)


Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 81.3909, 0.2835, 0.3389 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 81.3909, 0.2835, 0.3389 by changing the saturation by 10% instead.


 81.3909, 0.2835,
0.3389

 81.3909, 0.2835,
0.3389


499.6080, 0.2967,
0.3345

 60.8636, 0.2806,
0.3399


 135.3195, 0.2880,
0.3374

 44.1151, 0.2770,
0.3411


169.4896, 0.2898,
0.3368

 30.7610, 0.2725,
0.3425


208.9761, 0.2913,
0.3363

 20.4169, 0.2667,
0.3444

254.1633, 0.2927,
0.3358

 12.6985, 0.2589,
0.3469

305.4357, 0.2939,
0.3354

 7.2212, 0.2481,
0.3503

363.1777, 0.2949,

 3.6008, 0.2319,

0.3351

427.7737, 0.2959,
0.3348

0.3554

1.4529, 0.2050,
0.3633

0.2552, 0.0000,
0.4027

81.3909, 0.2835,
0.3389

81.3909, 0.2835,
0.3389

78.3268, 0.2722,
0.3438

84.9907, 0.2958,
0.3343

75.7619, 0.2622,
0.3491


89.1406, 0.3088,
0.3302


73.6709, 0.2538,
0.3546


92.6650, 0.3182,
0.3263

72.0224, 0.2472,
0.3603


92.9108, 0.3158,
0.3225

 70.7808, 0.2426,
0.3661

 93.1618, 0.3134,
0.3188

 69.9054, 0.2399,
0.3720

 93.1827, 0.3132,
0.3185

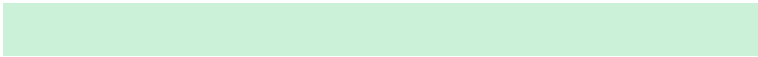
 69.3464, 0.2391,
0.3778

 69.0897, 0.2394,
0.3818

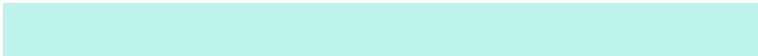
Harmonies

Analogous

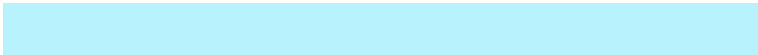
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.3909, 0.3032, 0.3579



81.3909, 0.2835, 0.3389



81.3909, 0.2717, 0.3177

Triad

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



81.3909, 0.2835, 0.3389



81.3909, 0.2984, 0.2928



81.3909, 0.3567, 0.3555

Complementary

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



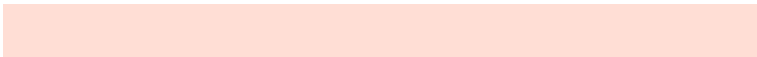
81.3909, 0.2835, 0.3389



59.2498, 0.3525, 0.3194

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.



81.3909, 0.3555, 0.3378



81.3909, 0.2835, 0.3389



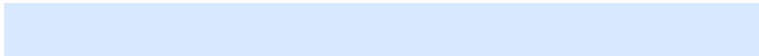
81.3909, 0.3212, 0.3025

Square

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



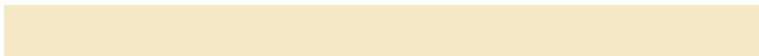
81.3909, 0.2835, 0.3389



81.3909, 0.2801, 0.2920



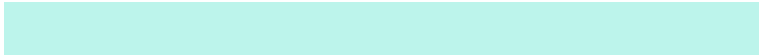
81.3909, 0.3423, 0.3187



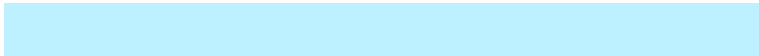
81.3909, 0.3456, 0.3670

Rectangle

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



81.3909, 0.2835, 0.3389



81.3909, 0.2697, 0.3056



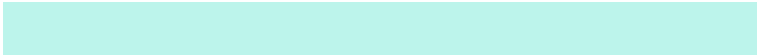
81.3909, 0.3423, 0.3187



81.3909, 0.3577, 0.3501

Sweetspot

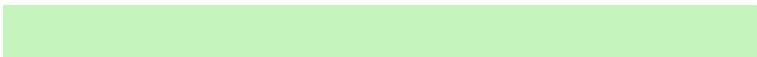
The Sweet Spot groups the original color and five complimentary colors.



81.3942, 0.2835, 0.3389



96.5859, 0.3034, 0.3318



80.2544, 0.3157, 0.3925



20.6135, 0.3026, 0.3321



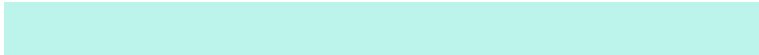
0.0000, 0.0000, 0.0000



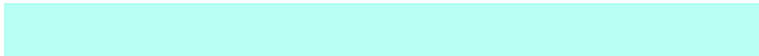
21.4041, 0.3127, 0.3290

Same Dimension

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



81.3942, 0.2835, 0.3389



88.1600, 0.2776, 0.3414



71.2656, 0.2771, 0.3081



18.7091, 0.3002, 0.3328



37.5836, 0.2391, 0.3809



3.3153, 0.2371, 0.3736

Inverse Universe

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



59.2498, 0.3525, 0.3194



59.3214, 0.3644, 0.3171



67.3418, 0.3557, 0.3490



16.5262, 0.3268, 0.3252



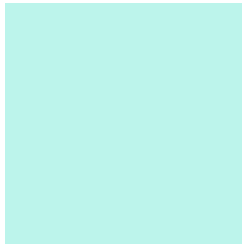
10.5521, 0.6170, 0.3172



0.9399, 0.5859, 0.3001

Previews

White Background



This preview shows how the Yxy color 81.3909, 0.2835, 0.3389 looks on a white background.

Color Contrast Check

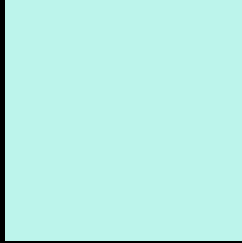
Large Text (above 18pt) WCAG AA × Fail

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 81.3909, 0.2835, 0.3389 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

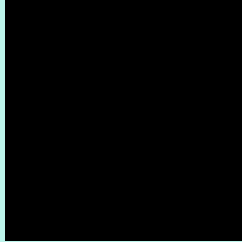
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

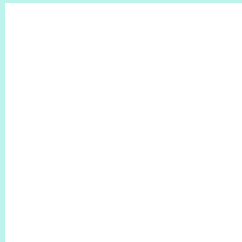
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 81.3909, 0.2835, 0.3389

Background



This preview shows how black text looks on a background with the Yxy color 81.3909, 0.2835, 0.3389.

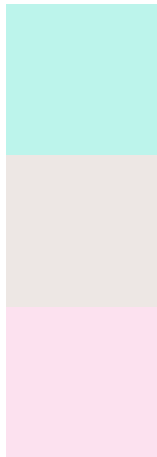


This preview shows how white text looks on a background with the Yxy color 81.3909, 0.2835, 0.3389.

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

81.3909, 0.2835, 0.3389

Protanopia

80.7578, 0.3187, 0.3321

Deuteranopia

80.7779, 0.3224, 0.3151



Tritanopia

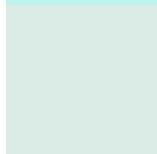
81.3705, 0.2799, 0.3120

Trichromacy



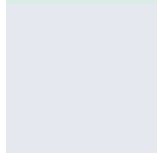
Original Color

81.3909, 0.2835, 0.3389



Protanomaly

80.8205, 0.3046, 0.3343



Deuteranomaly

80.5443, 0.3070, 0.3228



Tritanomaly

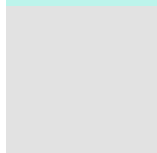
81.4237, 0.2809, 0.3214

Monochromacy



Original Color

81.3909, 0.2835, 0.3389



Achromatopsia

76.0525, 0.3127, 0.3290



Achromatomaly

77.9320, 0.3012, 0.3333

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.3909, 0.2835, 0.3389 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(188, 244, 235)` looks like.

```
.text, #text, p{  
    color:rgb(188, 244, 235)  
}
```

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(188, 244, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 244, 235) }
```

Border

The CSS property to change the border of an element to Yxy 81.3909, 0.2835, 0.3389 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(188, 244, 235) }
```

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

```
.border{ border-color:rgb(188, 244, 235) }
```

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

Here you see how a box with a 4 pixel rgb(188, 244, 235) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 244, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 244, 235);  
box-shadow:4px 4px 4px 4px rgb(188, 244,  
235) }
```


Background

The CSS property to change the background color of an element to Yxy 81.3909, 0.2835, 0.3389 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 244, 235) }
```

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

```
.background{ background-color: rgb(188,  
244, 235) }
```

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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