

Converting Colors

$Yxy(83.8050, 0.2799, 0.3490)$

Have a look what the booklet for
Yxy(83.8050, 0.2799, 0.3490)
contains.

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Color

Yxy(83.6624, 0.2799, 0.3490)

Conversions

Conversions Part 1

Format	Color
Hex	B2FAE8
RGB	178, 250, 232
RGB Percent	70%, 98%, 91%
CMY	0.3023, 0.0195, 0.0902
CMYK	0.29, 0.00, 0.07, 0.02
HSL	165°, 88%, 84%
HSV	165°, 29%, 98%
XYZ	67.0977, 83.6624, 88.9602
YIQ	226.4200, -37.1340, -20.8620

Conversions

Conversions Part 2

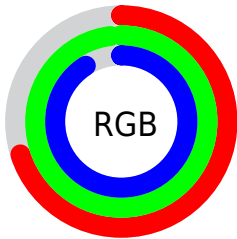
Format	Color
RYB	178, 219, 250
Decimal	11729640
CIELab	93.30, -25.93, 1.48
CIElCh	93, 25.974, 176.727
Yxy	83.6624, 0.2799, 0.3490
Android (android.graphics.Color)	4289919720 (0xFFB2FAE8)
YUV	226.4200, 2.7509, -42.4643
Hunter-Lab	91.4672, -29.1249, 6.3620

Details

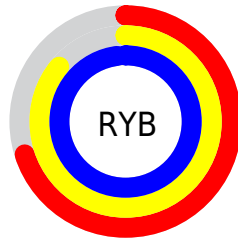
The Yxy color **83.6624, 0.2799, 0.3490** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **56.1190, 0.3608, 0.3101**, and the grayscale version is **76.3635, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.4022, 0.3005, 0.3290**, and **45.4855, 0.2728, 0.3538** is the 20% darker color. If you saturate the color by 10%, you get **80.6259, 0.2702, 0.3571**, and if you desaturate by 10%, it is **87.2572, 0.2906, 0.3415**.

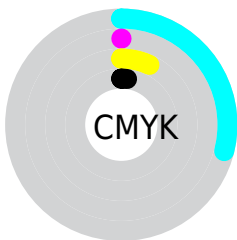
Distribution



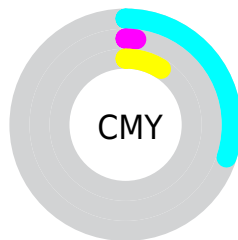
- Red (70%)
- Green (98%)
- Blue (91%)



- Red (70%)
- Yellow (86%)
- Blue (98%)



- Cyan (29%)
- Magenta (0%)
- Yellow (7%)
- Black (2%)





- Cyan (30%)
- Magenta (2%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 83.6624, 0.2799, 0.3490 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 83.6624, 0.2799, 0.3490 by changing the saturation by 10% instead.


 83.6624, 0.2799,
0.3490

 83.6624, 0.2799,
0.3490


507.1915, 0.2947,
0.3399

 62.7367, 0.2766,
0.3510


 138.5028, 0.2850,
0.3459

 45.6283, 0.2726,
0.3535


173.1864, 0.2870,
0.3447

 31.9526, 0.2675,
0.3566


213.2247, 0.2887,
0.3436

 21.3253, 0.2611,
0.3607

259.0022, 0.2902,
0.3427

 13.3620, 0.2524,
0.3661

310.9032, 0.2915,
0.3419

 7.6783, 0.2404,
0.3737

369.3122, 0.2927,

 3.8898, 0.2224,

0.3412

434.6135, 0.2938,
0.3405

0.3852

1.6121, 0.1925,
0.4046

0.3657, 0.0000,
0.5539

83.6624, 0.2799,
0.3490

83.6624, 0.2799,
0.3490

80.6259, 0.2702,
0.3571

87.2572, 0.2906,
0.3415

78.1080, 0.2619,
0.3658

91.4273, 0.3021,
0.3346

76.0799, 0.2553,
0.3748

96.2014, 0.3141,
0.3283

74.5058, 0.2505,
0.3841

96.8637, 0.3129,
0.3243

■ 73.3447, 0.2478,
0.3936

■ 72.5482, 0.2470,
0.4030

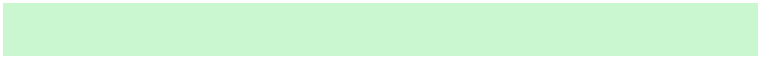
■ 72.0456, 0.2480,
0.4123

■ 71.9955, 0.2482,
0.4134

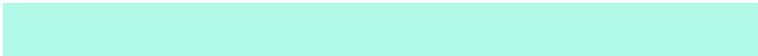
Harmonies

Analogous

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



83.6624, 0.3073, 0.3724



83.6624, 0.2799, 0.3490



83.6624, 0.2617, 0.3204

Triad

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



83.6624, 0.2799, 0.3490



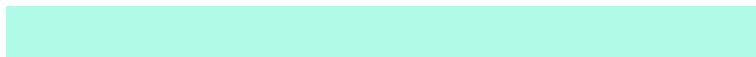
83.6624, 0.2869, 0.2805



83.6624, 0.3721, 0.3580

Complementary

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



83.6624, 0.2799, 0.3490



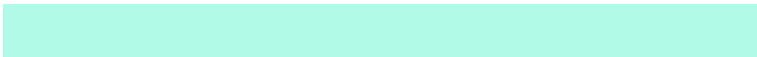
56.1190, 0.3608, 0.3101

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.



83.6624, 0.3664, 0.3337



83.6624, 0.2799, 0.3490



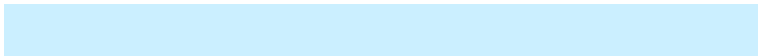
83.6624, 0.3160, 0.2904

Square

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



83.6624, 0.2799, 0.3490



83.6624, 0.2656, 0.2821



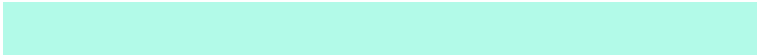
83.6624, 0.3455, 0.3095



83.6624, 0.3610, 0.3762

Rectangle

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



83.6624, 0.2799, 0.3490



83.6624, 0.2568, 0.3033



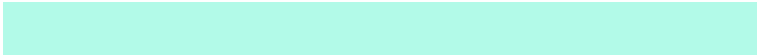
83.6624, 0.3455, 0.3095



83.6624, 0.3721, 0.3502

Sweetspot

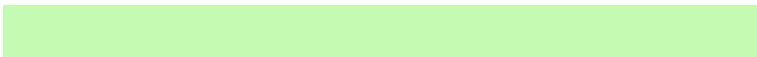
The Sweet Spot groups the original color and five complimentary colors.



83.6658, 0.2799, 0.3490



95.5404, 0.3019, 0.3347



83.3232, 0.3200, 0.4104



20.3057, 0.3002, 0.3356



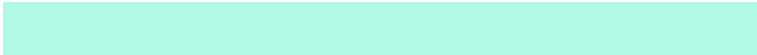
0.0000, 0.0000, 0.0000



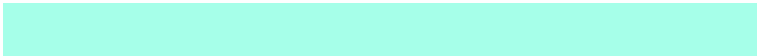
21.4041, 0.3127, 0.3290

Same Dimension

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



83.6658, 0.2799, 0.3490



85.4662, 0.2738, 0.3540



74.0693, 0.2687, 0.3088



19.5301, 0.3014, 0.3350



38.2060, 0.2477, 0.4118



3.5554, 0.2446, 0.4007

Inverse Universe

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



56.1190, 0.3608, 0.3101



52.0745, 0.3754, 0.3058



62.9938, 0.3715, 0.3483



17.2963, 0.3255, 0.3231



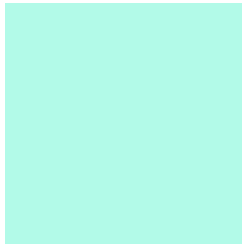
10.9869, 0.5934, 0.3043



1.0338, 0.5603, 0.2860

Previews

White Background



This preview shows how the Yxy color 83.6624, 0.2799, 0.3490 looks on a white background.

Color Contrast Check

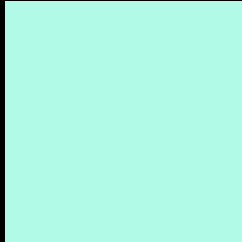
Large Text (above 18pt) WCAG AA × Fail

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 83.6624, 0.2799, 0.3490 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

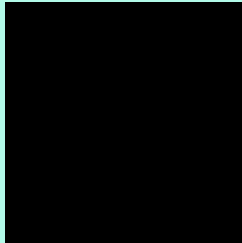
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 83.6624, 0.2799, 0.3490

Background



This preview shows how black text looks on a background with the Yxy color 83.6624, 0.2799, 0.3490.

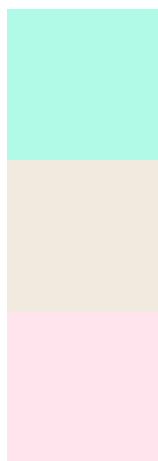


This preview shows how white text looks on a background with the Yxy color 83.6624, 0.2799, 0.3490.

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

83.6624, 0.2799, 0.3490

Protanopia

83.0506, 0.3252, 0.3403

Deuteranopia

82.8612, 0.3256, 0.3202



Tritanopia

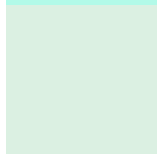
83.5616, 0.2818, 0.3152

Trichromacy



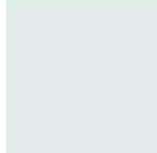
Original Color

83.6624, 0.2799, 0.3490



Protanomaly

82.8712, 0.3075, 0.3438



Deuteranomaly

82.3200, 0.3074, 0.3300



Tritanomaly

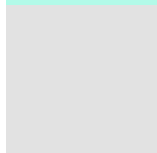
83.6223, 0.2811, 0.3268

Monochromacy



Original Color

83.6624, 0.2799, 0.3490



Achromatopsia

76.0525, 0.3127, 0.3290



Achromatomaly

78.5734, 0.2999, 0.3366

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.6624, 0.2799, 0.3490 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(178, 250, 232)` looks like.

```
.text, #text, p{  
    color:rgb(178, 250, 232)  
}
```

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(178, 250, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 250, 232) }
```

Border

The CSS property to change the border of an element to Yxy 83.6624, 0.2799, 0.3490 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(178, 250, 232) }
```

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

```
.border{ border-color:rgb(178, 250, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 250, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 250, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 250, 232);  
box-shadow:4px 4px 4px 4px rgb(178, 250,  
232) }
```


Background

The CSS property to change the background color of an element to Yxy 83.6624, 0.2799, 0.3490 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 250, 232) }
```

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

```
.background{ background-color: rgb(178,  
250, 232) }
```

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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