

Converting Colors

$Yxy(83.1765, 0.2779, 0.3439)$

Have a look what the booklet for
Yxy(83.1765, 0.2779, 0.3439)
contains.

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Color

Yxy(83.2145, 0.2783, 0.3445)

Conversions

Conversions Part 1

Format	Color
Hex	B2F9EB
RGB	178, 249, 235
RGB Percent	70%, 98%, 92%
CMY	0.3021, 0.0235, 0.0784
CMYK	0.29, 0.00, 0.06, 0.02
HSL	168°, 86%, 84%
HSV	168°, 29%, 98%
XYZ	67.2238, 83.2145, 91.1132
YIQ	226.1750, -37.8220, -19.4060

Conversions

Conversions Part 2

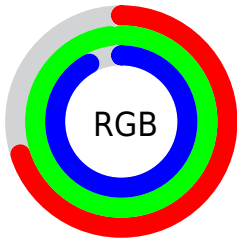
Format	Color
R _Y B	178, 217, 249
Decimal	11729387
CIE Lab	93.11, -24.81, -0.35
CIE LCh	93, 24.813, 180.808
Yxy	83.2145, 0.2783, 0.3445
Android (android.graphics.Color)	4289919467 (0xFFB2F9EB)
YUV	226.1750, 4.3507, -42.2495
Hunter-Lab	91.2220, -28.0973, 4.6361

Details

The Yxy color **83.2145, 0.2783, 0.3445** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **55.7726, 0.3634, 0.3142**, and the grayscale version is **76.1711, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.4022, 0.3005, 0.3290**, and **45.1649, 0.2708, 0.3479** is the 20% darker color. If you saturate the color by 10%, you get **80.2556, 0.2681, 0.3508**, and if you desaturate by 10%, it is **86.7226, 0.2897, 0.3386**.

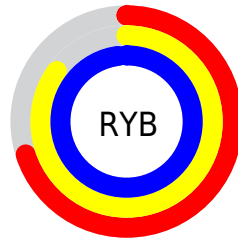
Distribution



Red (70%)

Green (98%)

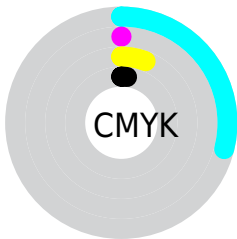
Blue (92%)



Red (70%)

Yellow (85%)

Blue (98%)

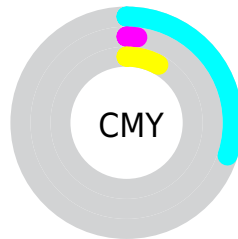


Cyan (29%)

Magenta (0%)

Yellow (6%)

Black (2%)



Cyan (30%)


Magenta (2%)


Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 83.2145, 0.2783, 0.3445 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 83.2145, 0.2783, 0.3445 by changing the saturation by 10% instead.

 83.2145, 0.2783,
0.3445

 83.2145, 0.2783,
0.3445


505.7011, 0.2938,
0.3375

 62.3671, 0.2749,
0.3460


 137.8758, 0.2836,
0.3421

 45.3294, 0.2707,
0.3479


172.4586, 0.2857,
0.3412

 31.7170, 0.2654,
0.3503


212.3886, 0.2875,
0.3404

 21.1454, 0.2587,
0.3533

258.0502, 0.2891,
0.3397

 13.2303, 0.2497,
0.3573

309.8279, 0.2905,
0.3390

 7.5873, 0.2372,
0.3628


368.1060, 0.2917,


 3.8321, 0.2187,


0.3385


0.3710


433.2690, 0.2928,
0.3380


 1.5801, 0.1882,
0.3844

 0.3441, 0.0000,
0.4630


 83.2145, 0.2783,
0.3445


 83.2145, 0.2783,
0.3445


 80.2556, 0.2681,
0.3508


 86.7226, 0.2897,
0.3386


 77.8067, 0.2592,
0.3575

 90.7966, 0.3019,
0.3332

 75.8394, 0.2521,
0.3645

 95.4648, 0.3146,
0.3283

 74.3185, 0.2469,
0.3717

 96.2165, 0.3132,
0.3236

■ 73.2037, 0.2436,
0.3790

■ 96.2394, 0.3130,
0.3233

■ 72.4474, 0.2423,
0.3862

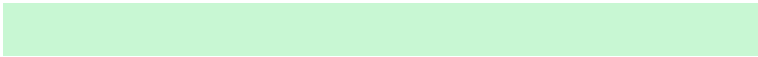
■ 71.9819, 0.2428,
0.3934

■ 71.9245, 0.2429,
0.3944

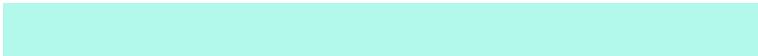
Harmonies

Analogous

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



83.2145, 0.3037, 0.3681



83.2145, 0.2783, 0.3445



83.2145, 0.2624, 0.3173

Triad

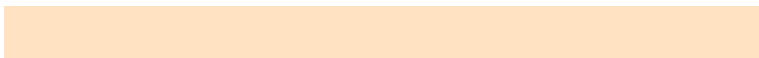
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.2145, 0.2783, 0.3445



83.2145, 0.2915, 0.2831



83.2145, 0.3690, 0.3597

Complementary

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



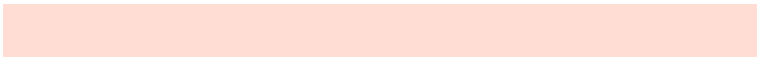
83.2145, 0.2783, 0.3445



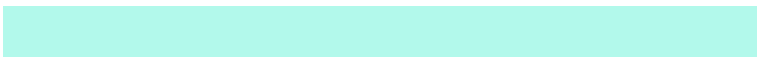
55.7726, 0.3634, 0.3142

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.



83.2145, 0.3657, 0.3369



83.2145, 0.2783, 0.3445



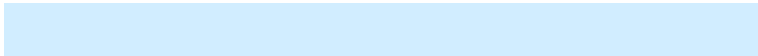
83.2145, 0.3199, 0.2941

Square

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



83.2145, 0.2783, 0.3445



83.2145, 0.2697, 0.2832



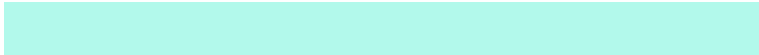
83.2145, 0.3475, 0.3133



83.2145, 0.3564, 0.3758

Rectangle

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



83.2145, 0.2783, 0.3445



83.2145, 0.2589, 0.3015



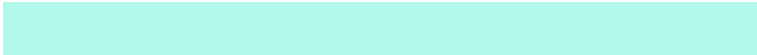
83.2145, 0.3475, 0.3133



83.2145, 0.3697, 0.3525

Sweetspot

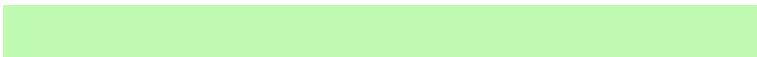
The Sweet Spot groups the original color and five complimentary colors.



83.2179, 0.2783, 0.3445



95.6160, 0.3013, 0.3335



82.2012, 0.3177, 0.4100



20.3244, 0.2995, 0.3342



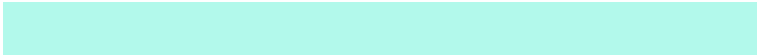
0.0000, 0.0000, 0.0000



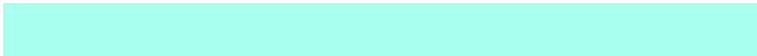
21.4041, 0.3127, 0.3290

Same Dimension

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



83.2179, 0.2783, 0.3445



86.0449, 0.2725, 0.3479



71.6215, 0.2687, 0.3049



19.5464, 0.3007, 0.3337



38.5162, 0.2426, 0.3933



3.5817, 0.2402, 0.3846

Inverse Universe

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



55.7726, 0.3634, 0.3142



52.8959, 0.3772, 0.3113



64.3295, 0.3696, 0.3518



17.2812, 0.3263, 0.3243



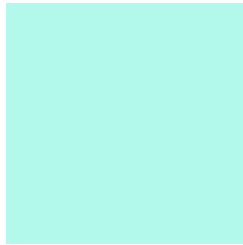
10.9155, 0.6085, 0.3126



1.0252, 0.5772, 0.2953

Previews

White Background



This preview shows how the Yxy color 83.2145, 0.2783, 0.3445 looks on a white background.

Color Contrast Check

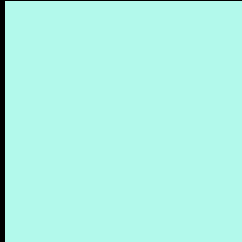
Large Text (above 18pt) WCAG AA × Fail

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 83.2145, 0.2783, 0.3445 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

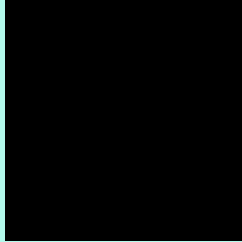
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 83.2145, 0.2783, 0.3445

Background



This preview shows how black text looks on a background with the Yxy color 83.2145, 0.2783, 0.3445.

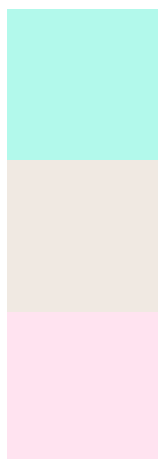


This preview shows how white text looks on a background with the Yxy color 83.2145, 0.2783, 0.3445.

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

83.2145, 0.2783, 0.3445

Protanopia

82.2941, 0.3219, 0.3362

Deuteranopia

82.4894, 0.3237, 0.3162



Tritanopia

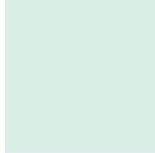
82.6872, 0.2806, 0.3141

Trichromacy



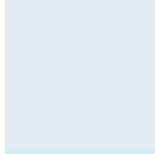
Original Color

83.2145, 0.2783, 0.3445



Protanomaly

82.1419, 0.3044, 0.3396



Deuteranomaly

81.9206, 0.3056, 0.3259



Tritanomaly

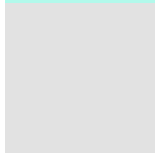
82.8161, 0.2794, 0.3246

Monochromacy



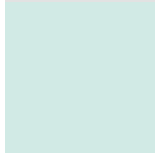
Original Color

83.2145, 0.2783, 0.3445



Achromatopsia

76.0525, 0.3127, 0.3290



Achromatomaly

78.0581, 0.2993, 0.3344

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.2145, 0.2783, 0.3445 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, 249, 235)` looks like.

```
.text, #text, p{  
    color:rgb(178, 249, 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(178, 249, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 249, 235) }
```

Border

The CSS property to change the border of an element to Yxy 83.2145, 0.2783, 0.3445 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, 249, 235) }
```

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

```
.border{ border-color:rgb(178, 249, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 249, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 249, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 249, 235);  
box-shadow:4px 4px 4px 4px rgb(178, 249,  
235) }
```


Background

The CSS property to change the background color of an element to Yxy 83.2145, 0.2783, 0.3445 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 249, 235) }
```

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

```
.background{ background-color: rgb(178,  
249, 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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