

Converting Colors

$Yxy(83.0431, 0.2816, 0.3551)$

Have a look what the booklet for
Yxy(83.0431, 0.2816, 0.3551)
contains.

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Color

Yxy(83.1474, 0.2814, 0.3548)

Conversions

Conversions Part 1

Format	Color
Hex	B0FAE3
RGB	176, 250, 227
RGB Percent	69%, 98%, 89%
CMY	0.3100, 0.0195, 0.1097
CMYK	0.30, 0.00, 0.09, 0.02
HSL	161°, 88%, 84%
HSV	161°, 30%, 98%
XYZ	65.9461, 83.1474, 85.2566
YIQ	225.2520, -36.7210, -22.8410

Conversions

Conversions Part 2

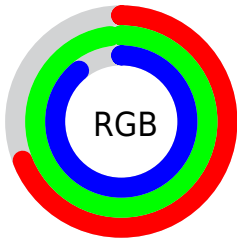
Format	Color
RYB	176, 220, 250
Decimal	11598563
CIELab	93.08, -27.52, 3.73
CIElCh	93, 27.776, 172.288
Yxy	83.1474, 0.2814, 0.3548
Android (android.graphics.Color)	4289788643 (0xFFB0FAE3)
YUV	225.2520, 0.8618, -43.1940
Hunter-Lab	91.1852, -30.4810, 8.3945

Details

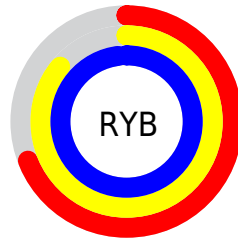
The Yxy color **83.1474, 0.2814, 0.3548** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **55.4742, 0.3585, 0.3048**, and the grayscale version is **75.4929, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.0636, 0.2993, 0.3290**, and **45.1834, 0.2741, 0.3600** is the 20% darker color. If you saturate the color by 10%, you get **80.0820, 0.2725, 0.3651**, and if you desaturate by 10%, it is **86.7755, 0.2914, 0.3453**.

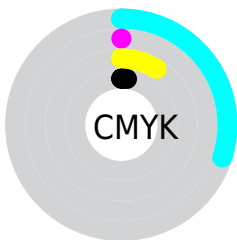
Distribution



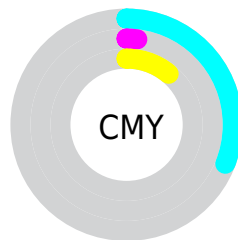
- Red (69%)
- Green (98%)
- Blue (89%)



- Red (69%)
- Yellow (86%)
- Blue (98%)



- Cyan (30%)
- Magenta (0%)
- Yellow (9%)
- Black (2%)




- Cyan (31%)
- Magenta (2%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 83.1474, 0.2814, 0.3548 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 83.1474, 0.2814, 0.3548 by changing the saturation by 10% instead.

 83.1474, 0.2814,
0.3548

 83.1474, 0.2814,
0.3548


505.4776, 0.2956,
0.3430

 62.3118, 0.2782,
0.3575


 137.7819, 0.2863,
0.3507

 45.2847, 0.2743,
0.3608


172.3495, 0.2882,
0.3491

 31.6817, 0.2694,
0.3649


212.2633, 0.2898,
0.3477

 21.1185, 0.2631,
0.3703

257.9075, 0.2913,
0.3466

 13.2106, 0.2547,
0.3776

309.6667, 0.2926,
0.3455

 7.5738, 0.2428,
0.3881

367.9252, 0.2937,

 3.8234, 0.2249,

0.3446

0.4041

433.0674, 0.2947,
0.3437

■ 1.5753, 0.1935,
0.4328

■ 0.3409, 0.0000,
0.7551

■ 83.1474, 0.2814,
0.3548

■ 83.1474, 0.2814,
0.3548

■ 80.0820, 0.2725,
0.3651

■ 86.7755, 0.2914,
0.3453

■ 77.5394, 0.2648,
0.3761

■ 90.9836, 0.3020,
0.3366

■ 75.4904, 0.2588,
0.3876

■ 95.8008, 0.3131,
0.3287

■ 73.8986, 0.2547,
0.3994

■ 96.8609, 0.3129,
0.3243

■ 72.7225, 0.2526,
0.4114

■ 71.9128, 0.2526,
0.4234

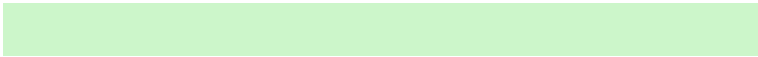
■ 71.3915, 0.2543,
0.4352

■ 71.3744, 0.2543,
0.4356

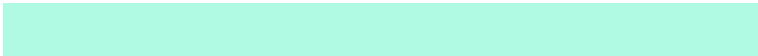
Harmonies

Analogous

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



83.1474, 0.3115, 0.3784



83.1474, 0.2814, 0.3548



83.1474, 0.2603, 0.3241

Triad

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



83.1474, 0.2814, 0.3548



83.1474, 0.2810, 0.2766



83.1474, 0.3766, 0.3562

Complementary

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



83.1474, 0.2814, 0.3548



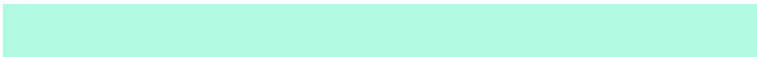
55.4742, 0.3585, 0.3048

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.



83.1474, 0.3679, 0.3299



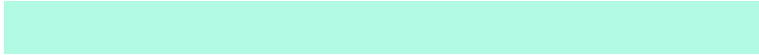
83.1474, 0.2814, 0.3548



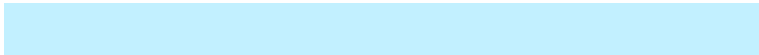
83.1474, 0.3113, 0.2856

Square

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



83.1474, 0.2814, 0.3548



83.1474, 0.2601, 0.2802



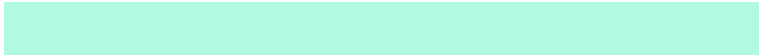
83.1474, 0.3435, 0.3047



83.1474, 0.3672, 0.3773

Rectangle

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



83.1474, 0.2814, 0.3548



83.1474, 0.2536, 0.3051



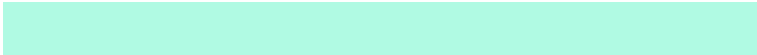
83.1474, 0.3435, 0.3047



83.1474, 0.3757, 0.3477

Sweetspot

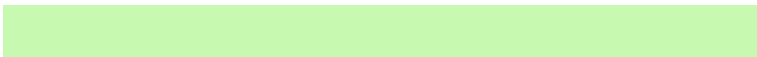
The Sweet Spot groups the original color and five complimentary colors.



83.1508, 0.2814, 0.3548



95.4537, 0.3027, 0.3361



83.7095, 0.3233, 0.4121



20.2842, 0.3011, 0.3373



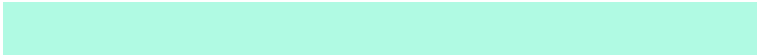
0.0000, 0.0000, 0.0000



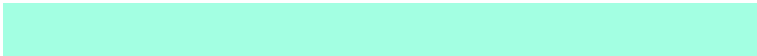
21.4041, 0.3127, 0.3290

Same Dimension

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



83.1508, 0.2814, 0.3548



84.8460, 0.2755, 0.3613



76.3677, 0.2682, 0.3138



19.5114, 0.3022, 0.3365



37.8810, 0.2538, 0.4337



3.5275, 0.2499, 0.4196

Inverse Universe

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



55.4742, 0.3585, 0.3048



51.3181, 0.3725, 0.2994



60.0782, 0.3750, 0.3436



17.3140, 0.3245, 0.3217



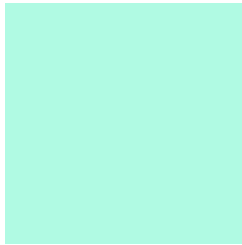
11.0920, 0.5729, 0.2930



1.0455, 0.5393, 0.2744

Previews

White Background



This preview shows how the Yxy color 83.1474, 0.2814, 0.3548 looks on a white background.

Color Contrast Check

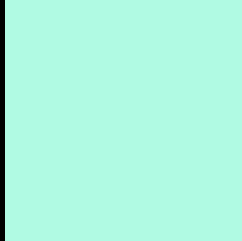
Large Text (above 18pt) WCAG AA × Fail

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 83.1474, 0.2814, 0.3548 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

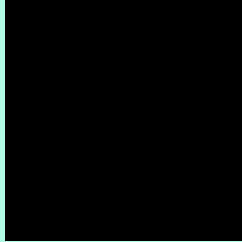
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 83.1474, 0.2814, 0.3548

Background



This preview shows how black text looks on a background with the Yxy color 83.1474, 0.2814, 0.3548.

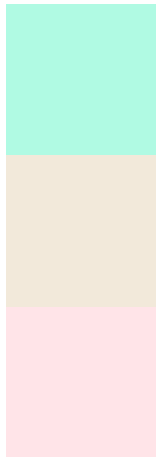


This preview shows how white text looks on a background with the Yxy color 83.1474, 0.2814, 0.3548.

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

83.1474, 0.2814, 0.3548

Protanopia

82.2170, 0.3285, 0.3444

Deuteranopia

82.5730, 0.3289, 0.3251



Tritanopia

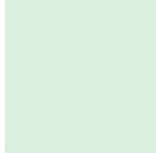
82.6872, 0.2806, 0.3141

Trichromacy



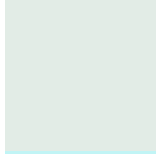
Original Color

83.1474, 0.2814, 0.3548



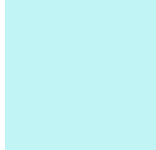
Protanomaly

81.8589, 0.3098, 0.3482



Deuteranomaly

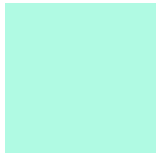
81.8728, 0.3098, 0.3353



Tritanomaly

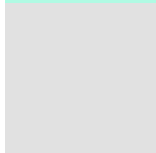
82.6314, 0.2810, 0.3278

Monochromacy



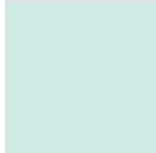
Original Color

83.1474, 0.2814, 0.3548



Achromatopsia

75.2942, 0.3127, 0.3290



Achromatomaly

77.6020, 0.2998, 0.3377

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.1474, 0.2814, 0.3548 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(176, 250, 227)` looks like.

```
.text, #text, p{  
    color:rgb(176, 250, 227)  
}
```

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(176, 250, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 250, 227) }
```

Border

The CSS property to change the border of an element to Yxy 83.1474, 0.2814, 0.3548 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(176, 250, 227) }
```

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

```
.border{ border-color:rgb(176, 250, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 250, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 250, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 250, 227);  
box-shadow:4px 4px 4px 4px rgb(176, 250,  
227) }
```


Background

The CSS property to change the background color of an element to Yxy 83.1474, 0.2814, 0.3548 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 250, 227) }
```

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

```
.background{ background-color: rgb(176,  
250, 227) }
```

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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