

Converting Colors

`RYB(176, 230, 255)`

Have a look what the booklet for
RYB(176, 230, 255) contains.

RYB(176, 230, 255)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

R_YB(176, 230, 255)

Conversions

Conversions Part 1

Format	Color
Hex	B0FFD5
RGB	176, 255, 213
RGB Percent	69%, 100%, 84%
CMY	0.3098, 0.0000, 0.1664
CMYK	0.31, 0.00, 0.17, 0.00
HSL	148°, 100%, 85%
HSV	148°, 31%, 100%
XYZ	65.6207, 85.5326, 75.7186
YIQ	226.5910, -33.6020, -29.8100

Conversions

Conversions Part 2

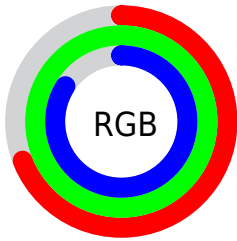
Format	Color
RYB	176, 230, 255
Decimal	11599829
CIELab	94.11, -32.71, 12.66
CIElCh	94, 35.071, 158.846
Yxy	85.5326, 0.2892, 0.3770
Android (android.graphics.Color)	4289789909 (0xFFB0FFD5)
YUV	226.5910, -6.7004, -44.3683
Hunter-Lab	92.4838, -35.1943, 16.1966

Details

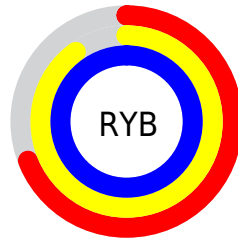
The RYB color **176, 230, 255** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **255, 176, 218**, and the grayscale version is **227, 227, 227**.

A 20% lighter version of the original color is **233, 244, 255**, and **121, 173, 198** is the 20% darker color. If you saturate the color by 10%, you get **150, 222, 255**, and if you desaturate by 10%, it is **202, 238, 255**.

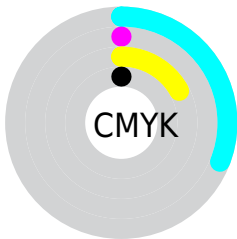
Distribution



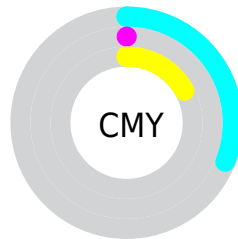
- Red (69%)
- Green (100%)
- Blue (84%)



- Red (69%)
- Yellow (90%)
- Blue (100%)



- Cyan (31%)
- Magenta (0%)
- Yellow (17%)
- Black (0%)



- Cyan (31%)
- Magenta (0%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the RYB color 176, 230, 255 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 RYB color 176, 230, 255 by changing the saturation by 10% instead.


 176, 230, 255


255, 255, 255


 233, 244, 255

 176, 230, 255

 148, 201, 226

 121, 173, 198


 94, 145, 170

 67, 118, 144

 40, 91, 118

 2, 57, 92

 0, 44, 68

 0, 33, 45

 0, 23, 23

■ 176, 230, 255

■ 176, 230, 255

■ 150, 222, 255

■ 202, 238, 255

■ 125, 214, 255

■ 227, 246, 255

■ 99, 206, 255

253, 254, 255

■ 74, 198, 255

255, 255, 255

■ 49, 190, 255

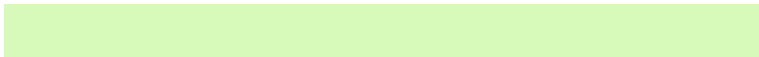
■ 23, 182, 255

■ 0, 174, 255

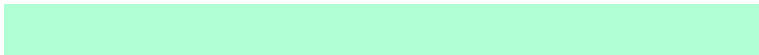
Harmonies

Analogous

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



185, 249, 219



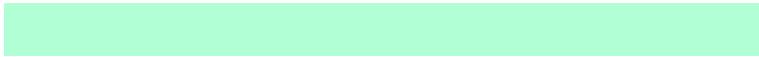
176, 230, 255



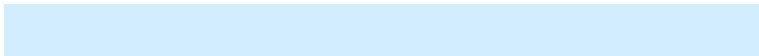
144, 202, 255

Triad

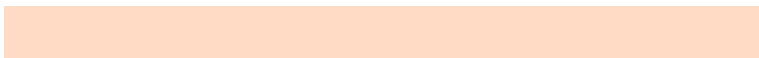
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



176, 230, 255



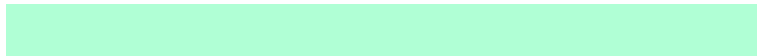
210, 227, 255



255, 230, 197

Complementary

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



176, 230, 255



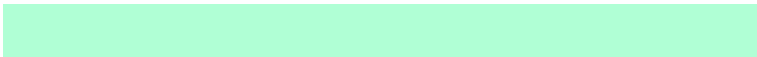
255, 176, 218

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.



255, 213, 229



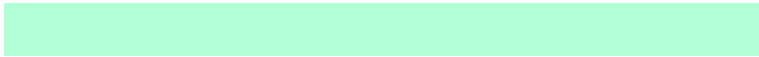
176, 230, 255



255, 226, 255

Square

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



176, 230, 255



163, 207, 255



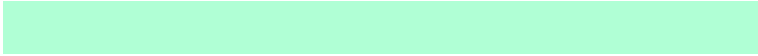
255, 216, 255



217, 255, 176

Rectangle

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



176, 230, 255



135, 195, 255



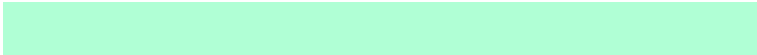
255, 216, 255



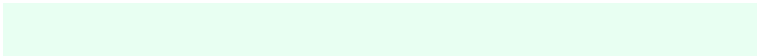
255, 217, 207

Sweetspot

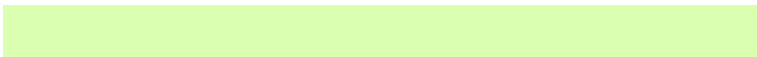
The Sweet Spot groups the original color and five complimentary colors.



176, 230, 255



232, 248, 255



176, 255, 212



113, 123, 128



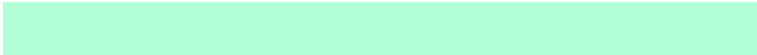
0, 0, 0



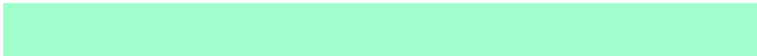
128, 128, 128

Same Dimension

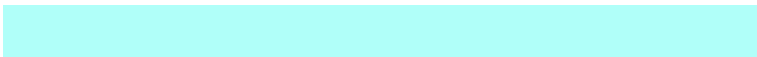
The Same Dimension uses a secret algorithm to generate beautiful new colors.



176, 230, 255



161, 225, 255



176, 217, 255



115, 124, 128



0, 130, 191



0, 44, 64

Inverse Universe

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



255, 176, 218



255, 161, 211



255, 176, 180



128, 115, 122



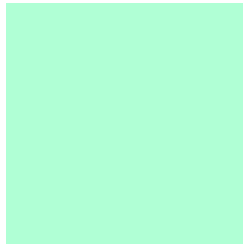
191, 0, 103



64, 0, 34

Previews

White Background



This preview shows how the RYB color 176, 230, 255 looks on a white background.

Color Contrast Check

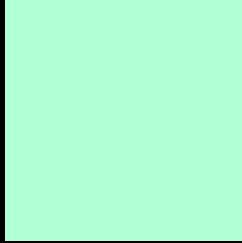
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the RYB color 176, 230, 255 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

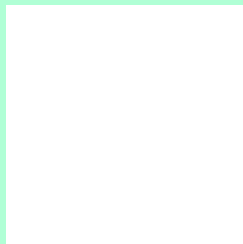
Any Text WCAG AAA ✓ Pass

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

RYB 176, 230, 255 Background



This preview shows how black text looks on a background with the RYB color 176, 230, 255.

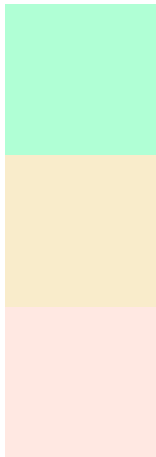


This preview shows how white text looks on a background with the RYB color 176, 230, 255.

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
176, 230, 255

Protanopia
221, 249, 203

Deuteranopia
255, 234, 226



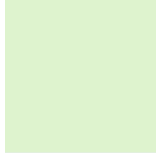
Tritanopia
210, 229, 255

Trichromacy



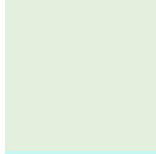
Original Color

176, 230, 255



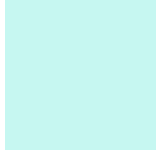
Protanomaly

206, 243, 227



Deuteranomaly

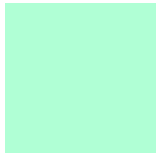
221, 240, 235



Tritanomaly

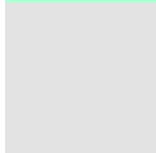
198, 224, 247

Monochromacy



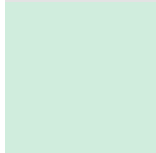
Original Color

176, 230, 255



Achromatopsia

227, 227, 227



Achromatomaly

208, 228, 237

CSS Examples

Text

The CSS property to change the color of the text to RYB 176, 230, 255 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, 255, 213)` looks like.

```
.text, #text, p{  
    color:rgb(176, 255, 213)  
}
```

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, 255, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 255, 213) }
```

Border

The CSS property to change the border of an element to RYB 176, 230, 255 is called "border". The border property can be set on classes, ids or directly on the HTML element.

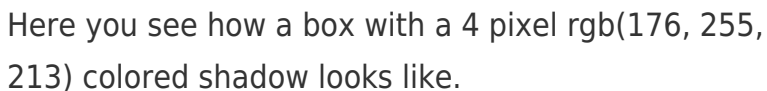
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(176, 255, 213) }
```

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

```
.border{ border-color:rgb(176, 255, 213) }
```

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



Here you see how a box with a 4 pixel `rgb(176, 255, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(176, 255, 213); -webkit-box-shadow:4px 4px 4px 4px rgb(176, 255, 213); box-shadow:4px 4px 4px 4px rgb(176, 255, 213) }
```

Background

The CSS property to change the background color of an element to RYB 176, 230, 255 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 255, 213) }
```

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

```
.background{ background-color: rgb(176,  
255, 213) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor