

Converting Colors

`RYB(163, 255, 250)`

Have a look what the booklet for
RYB(163, 255, 250) contains.

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Color

R_YB(163, 255, 250)

Conversions

Conversions Part 1

Format	Color
Hex	A8FFA3
RGB	168, 255, 163
RGB Percent	66%, 100%, 64%
CMY	0.3412, 0.0000, 0.3608
CMYK	0.34, 0.00, 0.36, 0.00
HSL	117°, 100%, 82%
HSV	117°, 36%, 100%
XYZ	58.5193, 82.4892, 47.4880
YIQ	218.4990, -22.3200, -47.0560

Conversions

Conversions Part 2

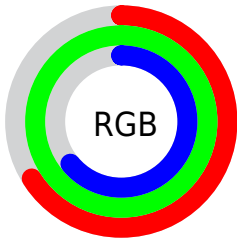
Format	Color
RYB	163, 255, 250
Decimal	11075491
CIELab	92.79, -43.56, 35.90
CIElCh	93, 56.449, 140.510
Yxy	82.4892, 0.3105, 0.4376
Android (android.graphics.Color)	4289265571 (0xFFA8FFA3)
YUV	218.4990, -27.3610, -44.2876
Hunter-Lab	90.8236, -43.9303, 32.5761

Details

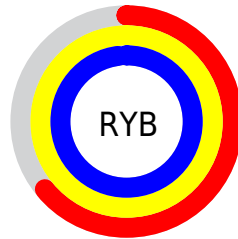
The RYB color **163, 255, 250** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **250, 163, 255**, and the grayscale version is **219, 219, 219**.

A 20% lighter version of the original color is **219, 255, 248**, and **110, 198, 196** is the 20% darker color. If you saturate the color by 10%, you get **137, 255, 248**, and if you desaturate by 10%, it is **188, 255, 251**.

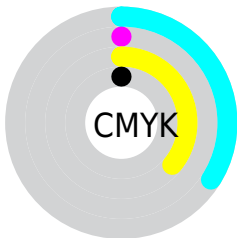
Distribution



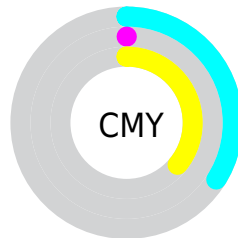
- Red (66%)
- Green (100%)
- Blue (64%)



- Red (64%)
- Yellow (100%)
- Blue (98%)



- Cyan (34%)
- Magenta (0%)
- Yellow (36%)
- Black (0%)



- Cyan (34%)
- Magenta (0%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the RYB color 163, 255, 250 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 163, 255, 250 by changing the saturation by 10% instead.

 163, 255, 250

255, 255, 255


 219, 255, 248


 247, 255, 247


 163, 255, 250


 136, 226, 222

 110, 198, 196

 85, 170, 170


 56, 139, 143

 23, 106, 117

 0, 83, 92

 0, 67, 67

 0, 45, 45

 0, 17, 17

■ 163, 255, 250

■ 163, 255, 250

■ 137, 255, 248

■ 188, 255, 251

■ 112, 255, 247

■ 214, 255, 253

■ 86, 255, 245

■ 239, 255, 254

■ 61, 255, 244

255, 255, 255

■ 35, 255, 243

■ 10, 255, 242

■ 0, 255, 241

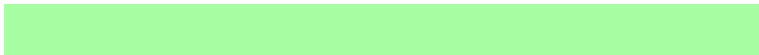
Harmonies

Analogous

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



130, 243, 142



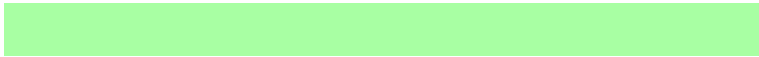
163, 255, 250



83, 180, 255

Triad

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



163, 255, 250



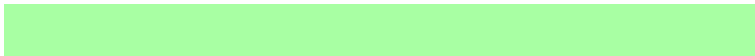
107, 178, 255



255, 192, 199

Complementary

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



163, 255, 250



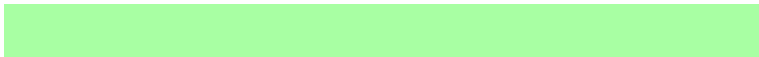
250, 163, 255

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, 192, 254



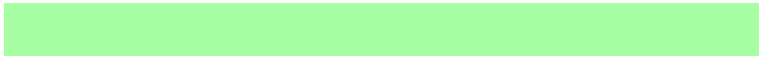
163, 255, 250



213, 224, 255

Square

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



163, 255, 250



0, 128, 255



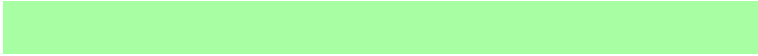
255, 206, 255



245, 255, 152

Rectangle

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



163, 255, 250



0, 128, 255



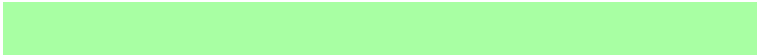
255, 206, 255



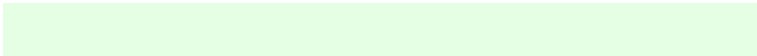
255, 190, 217

Sweetspot

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



163, 255, 250



227, 255, 254



169, 255, 163



111, 128, 127



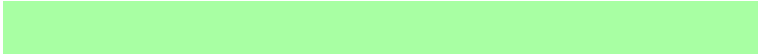
0, 0, 0



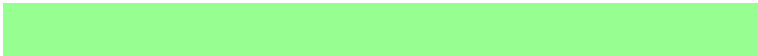
128, 128, 128

Same Dimension

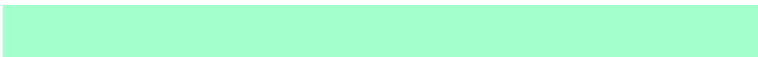
The Same Dimension uses a secret algorithm to generate beautiful new colors.



163, 255, 250



145, 255, 249



163, 227, 255



115, 128, 128



0, 191, 181



0, 64, 61

Inverse Universe

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



250, 163, 255



249, 145, 255



255, 163, 215



127, 115, 128



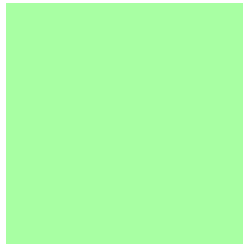
181, 0, 191



60, 0, 64

Previews

White Background



This preview shows how the RYB color 163, 255, 250 looks on a white background.

Color Contrast Check

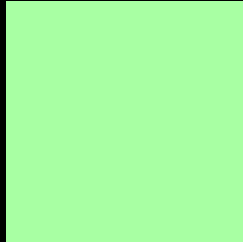
Large Text (above 18pt) WCAG AA × Fail

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 163, 255, 250 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 163, 255, 250 Background



This preview shows how black text looks on a background with the RYB color 163, 255, 250.

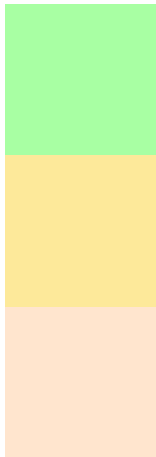


This preview shows how white text looks on a background with the RYB color 163, 255, 250.

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
163, 255, 250

Protanopia
179, 253, 154

Deuteranopia
255, 249, 206



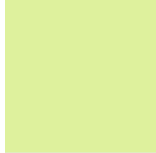
Tritanopia
200, 223, 255

Trichromacy



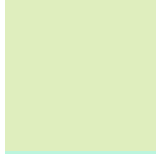
Original Color

163, 255, 250



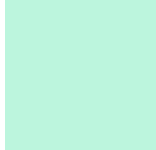
Protanomaly

157, 241, 176



Deuteranomaly

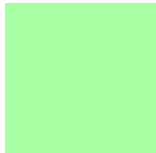
190, 238, 205



Tritanomaly

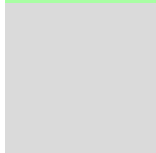
188, 224, 245

Monochromacy



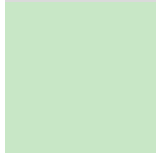
Original Color

163, 255, 250



Achromatopsia

218, 218, 218



Achromatomaly

198, 231, 229

CSS Examples

Text

The CSS property to change the color of the text to RYB 163, 255, 250 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(168, 255, 163)` looks like.

```
.text, #text, p{  
    color:rgb(168, 255, 163)  
}
```

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(168, 255, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 255, 163) }
```

Border

The CSS property to change the border of an element to RYB 163, 255, 250 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(168, 255, 163) }
```

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

```
.border{ border-color:rgb(168, 255, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 255, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 255, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 255, 163);  
box-shadow:4px 4px 4px 4px rgb(168, 255,  
163) }
```

Background

The CSS property to change the background color of an element to RYB 163, 255, 250 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 255, 163) }
```

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

```
.background{ background-color: rgb(168,  
255, 163) }
```

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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