

Converting Colors

`RYB(178, 242, 255)`

Have a look what the booklet for
RYB(178, 242, 255) contains.

RYB(178, 242, 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(178, 242, 255)

Conversions

Conversions Part 1

Format	Color
Hex	B2FFC2
RGB	178, 255, 194
RGB Percent	70%, 100%, 76%
CMY	0.3020, 0.0000, 0.2406
CMYK	0.30, 0.00, 0.24, 0.00
HSL	132°, 100%, 85%
HSV	132°, 30%, 100%
XYZ	63.8174, 84.8639, 63.8444
YIQ	225.0230, -26.3110, -35.2950

Conversions

Conversions Part 2

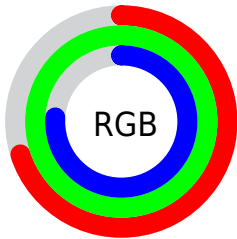
Format	Color
RYB	178, 242, 255
Decimal	11730882
CIELab	93.82, -35.55, 21.95
CIElCh	94, 41.785, 148.305
Yxy	84.8639, 0.3003, 0.3993
Android (android.graphics.Color)	4289920962 (0xFFB2FFC2)
YUV	225.0230, -15.2943, -41.2392
Hunter-Lab	92.1216, -37.5567, 23.3945

Details

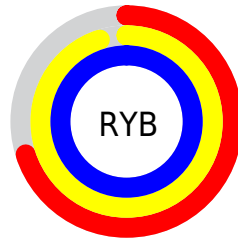
The RYB color **178, 242, 255** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **255, 178, 239**, and the grayscale version is **225, 225, 225**.

A 20% lighter version of the original color is **235, 246, 255**, and **123, 184, 198** is the 20% darker color. If you saturate the color by 10%, you get **152, 238, 255**, and if you desaturate by 10%, it is **203, 246, 255**.

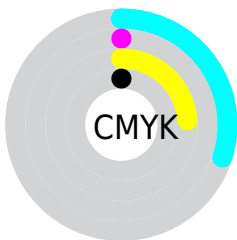
Distribution



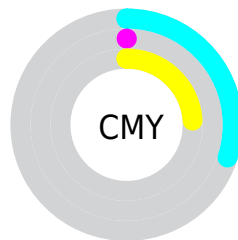
- Red (70%)
- Green (100%)
- Blue (76%)



- Red (70%)
- Yellow (95%)
- Blue (100%)



- Cyan (30%)
- Magenta (0%)
- Yellow (24%)
- Black (0%)



- Cyan (30%)
- Magenta (0%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the RYB color 178, 242, 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 178, 242, 255 by changing the saturation by 10% instead.

 178, 242, 255


255, 255, 255


 235, 246, 255

 178, 242, 255

 150, 213, 226

 123, 184, 198

 96, 156, 170

 70, 128, 143

 42, 99, 117

 7, 67, 92

 0, 52, 68

 0, 45, 45

 0, 22, 22

 178, 242, 255


 178, 242, 255

 152, 238, 255

 203, 246, 255

 127, 233, 255

 229, 251, 255

 101, 229, 255

255, 255, 255

 76, 225, 255

 50, 220, 255

 25, 216, 255

 0, 212, 255

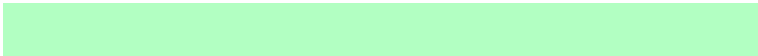
Harmonies

Analogous

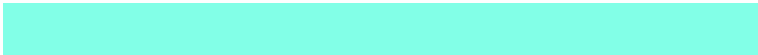
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



165, 246, 186



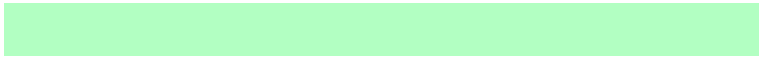
178, 242, 255



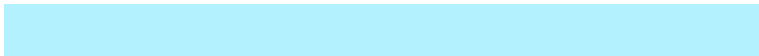
130, 199, 255

Triad

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



178, 242, 255



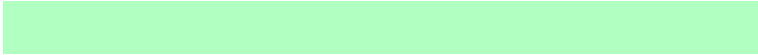
179, 213, 255



255, 212, 201

Complementary

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



178, 242, 255



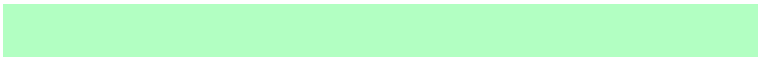
255, 178, 239

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, 207, 241



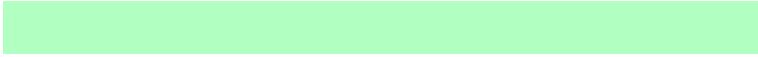
178, 242, 255



239, 228, 255

Square

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



178, 242, 255



121, 187, 255



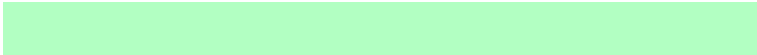
255, 214, 255



230, 255, 170

Rectangle

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



178, 242, 255



105, 180, 255



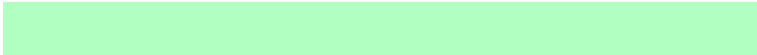
255, 214, 255



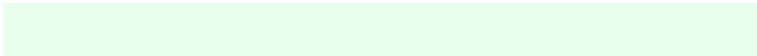
255, 208, 214

Sweetspot

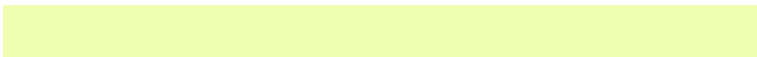
The Sweet Spot groups the original color and five complimentary colors.



178, 242, 255



232, 251, 255



178, 255, 193



113, 126, 128



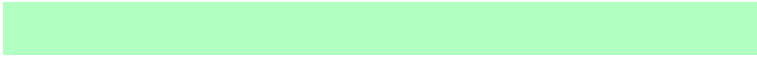
0, 0, 0



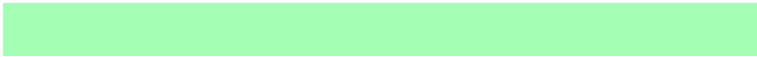
128, 128, 128

Same Dimension

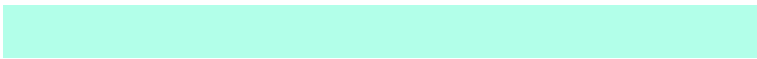
The Same Dimension uses a secret algorithm to generate beautiful new colors.



178, 242, 255



163, 239, 255



178, 223, 255



115, 126, 128



0, 159, 191



0, 53, 64

Inverse Universe

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



255, 178, 239



255, 163, 236



255, 178, 201



128, 115, 125



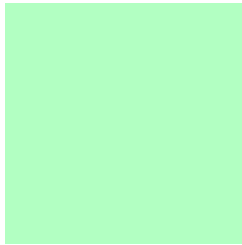
191, 0, 152



64, 0, 51

Previews

White Background



This preview shows how the RYB color 178, 242, 255 looks on a white background.

Color Contrast Check

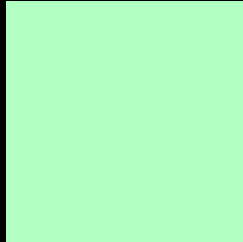
Large Text (above 18pt) WCAG AA × Fail

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 178, 242, 255 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

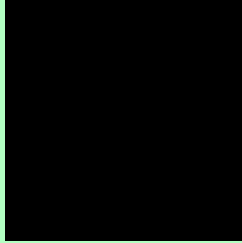
Any Text WCAG AA ✓ Pass

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 178, 242, 255 Background



This preview shows how black text looks on a background with the RYB color 178, 242, 255.

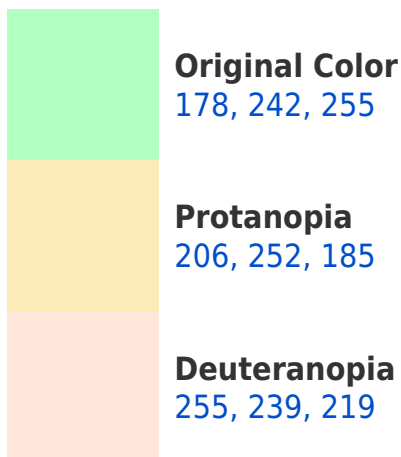


This preview shows how white text looks on a background with the RYB color 178, 242, 255.

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](#).

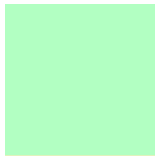
Dichromacy





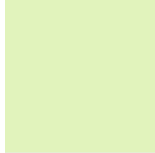
Tritanopia
209, 228, 255

Trichromacy



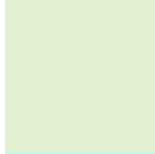
Original Color

178, 242, 255



Protanomaly

188, 243, 206



Deuteranomaly

210, 240, 223



Tritanomaly

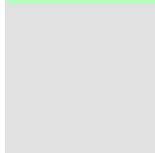
198, 227, 247

Monochromacy



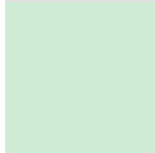
Original Color

178, 242, 255



Achromatopsia

225, 225, 225



Achromatomaly

208, 231, 236

CSS Examples

Text

The CSS property to change the color of the text to RYB 178, 242, 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(178, 255, 194)` looks like.

```
.text, #text, p{  
    color:rgb(178, 255, 194)  
}
```

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, 255, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 255, 194) }
```

Border

The CSS property to change the border of an element to RYB 178, 242, 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(178, 255, 194) }
```

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

```
.border{ border-color:rgb(178, 255, 194) }
```

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

Here you see how a box with a 4 pixel rgb(178, 255, 194) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 255, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 255, 194);  
box-shadow:4px 4px 4px 4px rgb(178, 255,  
194) }
```

Background

The CSS property to change the background color of an element to RYB 178, 242, 255 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 255, 194) }
```

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

```
.background{ background-color: rgb(178,  
255, 194) }
```

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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