

Converting Colors

`RYB(178, 255, 228)`

Have a look what the booklet for
RYB(178, 255, 228) contains.

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Color

R_YB(178, 255, 228)

Conversions

Conversions Part 1

Format	Color
Hex	CDFFB2
RGB	205, 255, 178
RGB Percent	80%, 100%, 70%
CMY	0.1961, 0.0000, 0.3020
CMYK	0.20, 0.00, 0.30, 0.00
HSL	99°, 100%, 85%
HSV	99°, 30%, 100%
XYZ	68.9727, 87.7135, 55.4146
YIQ	231.2720, -5.0830, -34.5470

Conversions

Conversions Part 2

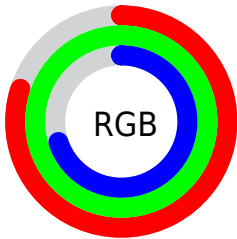
Format	Color
RYB	178, 255, 228
Decimal	13500338
CIELab	95.04, -29.31, 31.77
CIELCh	95, 43.222, 132.693
Yxy	87.7135, 0.3252, 0.4135
Android (android.graphics.Color)	4291690418 (0xFFCDDFB2)
YUV	231.2720, -26.2631, -23.0405
Hunter-Lab	93.6555, -32.4405, 30.4778

Details

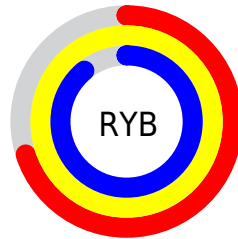
The RYB color **178, 255, 228** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **228, 178, 255**, and the grayscale version is **232, 232, 232**.

A 20% lighter version of the original color is **234, 255, 234**, and **125, 198, 173** is the 20% darker color. If you saturate the color by 10%, you get **152, 255, 219**, and if you desaturate by 10%, it is **203, 255, 236**.

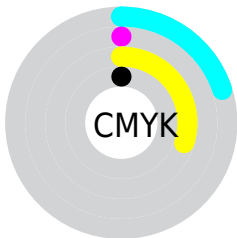
Distribution



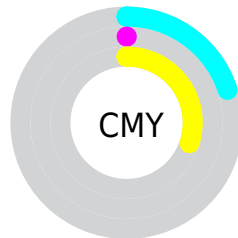
- Red (80%)
- Green (100%)
- Blue (70%)



- Red (70%)
- Yellow (100%)
- Blue (89%)



- Cyan (20%)
- Magenta (0%)
- Yellow (30%)
- Black (0%)



- Cyan (20%)
- Magenta (0%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the RYB color 178, 255, 228 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, 255, 228 by changing the saturation by 10% instead.


 178, 255, 228


255, 255, 255


 234, 255, 234


 178, 255, 228

 151, 226, 200

 125, 198, 173

 99, 171, 147

 75, 144, 122

 51, 118, 97

 27, 93, 74

 2, 69, 51

 0, 46, 46

 0, 26, 26

■ 178, 255, 228

■ 178, 255, 228

■ 152, 255, 219

■ 203, 255, 236

■ 127, 255, 210

■ 229, 255, 246

■ 101, 255, 201

255, 255, 255

■ 76, 255, 192

■ 50, 255, 183

■ 25, 255, 174

■ 0, 255, 166

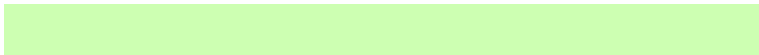
Harmonies

Analogous

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



167, 252, 158



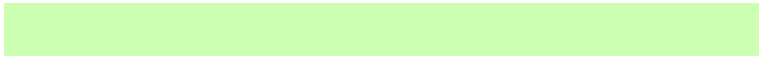
178, 255, 228



155, 218, 255

Triad

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



178, 255, 228



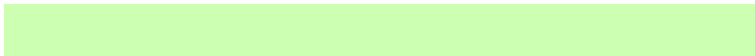
146, 200, 255



255, 209, 224

Complementary

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



178, 255, 228



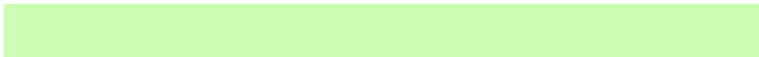
228, 178, 255

Split Complementary

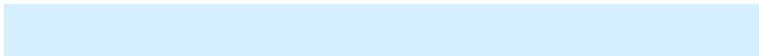
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



255, 212, 255



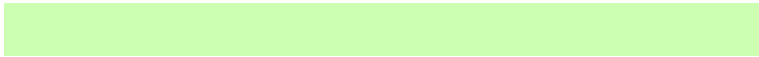
178, 255, 228



211, 228, 255

Square

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



178, 255, 228



97, 176, 255



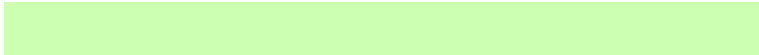
255, 224, 255



255, 239, 186

Rectangle

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



178, 255, 228



122, 192, 255



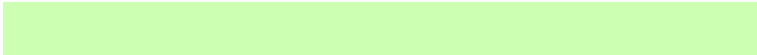
255, 224, 255



255, 209, 238

Sweetspot

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



178, 255, 228



232, 255, 247



222, 255, 178



113, 128, 123



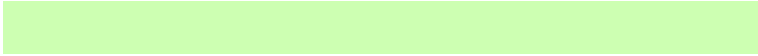
0, 0, 0



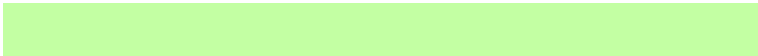
128, 128, 128

Same Dimension

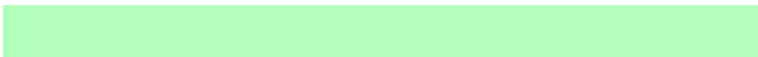
The Same Dimension uses a secret algorithm to generate beautiful new colors.



178, 255, 228



163, 255, 223



178, 246, 255



115, 128, 124



0, 191, 124



0, 64, 42

Inverse Universe

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



228, 178, 255



223, 163, 255



255, 178, 245



123, 115, 128



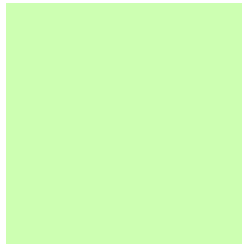
124, 0, 191



41, 0, 64

Previews

White Background



This preview shows how the RYB color 178, 255, 228 looks on a white background.

Color Contrast Check

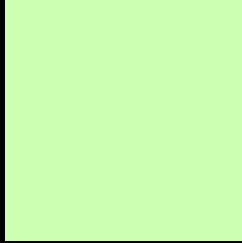
Large Text (above 18pt) WCAG AA × Fail

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, 255, 228 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

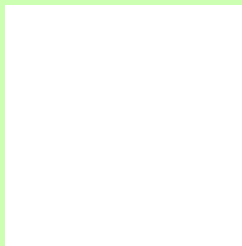
Any Text WCAG AAA ✓ Pass

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

RYB 178, 255, 228 Background



This preview shows how black text looks on a background with the RYB color 178, 255, 228.

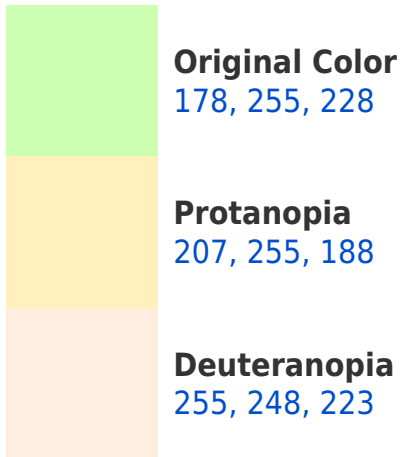


This preview shows how white text looks on a background with the RYB color 178, 255, 228.

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





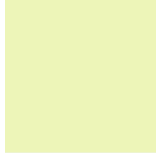
Tritanopia
227, 237, 255

Trichromacy



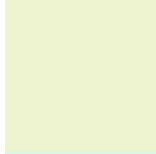
Original Color

178, 255, 228



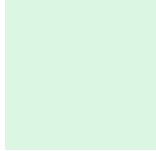
Protanomaly

184, 245, 192



Deuteranomaly

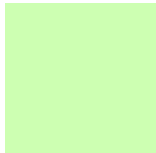
207, 244, 214



Tritanomaly

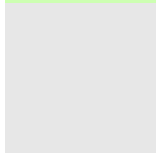
219, 241, 247

Monochromacy



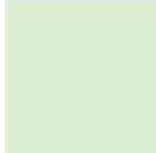
Original Color

178, 255, 228



Achromatopsia

231, 231, 231



Achromatomaly

212, 240, 230

CSS Examples

Text

The CSS property to change the color of the text to RYB 178, 255, 228 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(205, 255, 178)` looks like.

```
.text, #text, p{  
    color:rgb(205, 255, 178)  
}
```

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(205, 255, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 255, 178) }
```

Border

The CSS property to change the border of an element to RYB 178, 255, 228 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(205, 255, 178) }
```

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

```
.border{ border-color:rgb(205, 255, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 255, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 255, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 255, 178);  
box-shadow:4px 4px 4px 4px rgb(205, 255,  
178) }
```

Background

The CSS property to change the background color of an element to RYB 178, 255, 228 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 255, 178) }
```

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

```
.background{ background-color: rgb(205,  
255, 178) }
```

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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