

Converting Colors

`RYB(180, 252, 236)`

Have a look what the booklet for
RYB(180, 252, 236) contains.

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Color

R_YB(180, 252, 236)

Conversions

Conversions Part 1

Format	Color
Hex	C4FCB4
RGB	196, 252, 180
RGB Percent	77%, 99%, 71%
CMY	0.2314, 0.0118, 0.2941
CMYK	0.22, 0.00, 0.29, 0.01
HSL	107°, 92%, 85%
HSV	107°, 29%, 99%
XYZ	65.8136, 84.6519, 56.0507
YIQ	227.0480, -10.2640, -34.2640

Conversions

Conversions Part 2

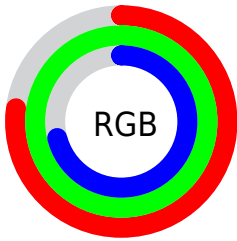
Format	Color
RYB	180, 252, 236
Decimal	12909748
CIELab	93.73, -30.64, 28.91
CIELCh	94, 42.123, 136.669
Yxy	84.6519, 0.3187, 0.4099
Android (android.graphics.Color)	4291099828 (0xFFC4FCB4)
YUV	227.0480, -23.1947, -27.2291
Hunter-Lab	92.0064, -33.3276, 28.2848

Details

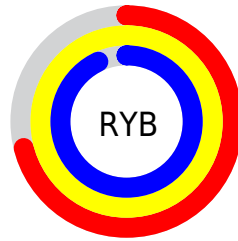
The RYB color **180, 252, 236** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **236, 180, 252**, and the grayscale version is **227, 227, 227**.

A 20% lighter version of the original color is **236, 255, 237**, and **127, 195, 181** is the 20% darker color. If you saturate the color by 10%, you get **155, 252, 231**, and if you desaturate by 10%, it is **205, 252, 241**.

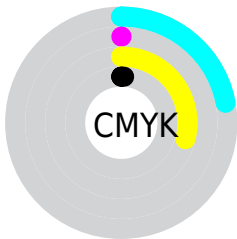
Distribution



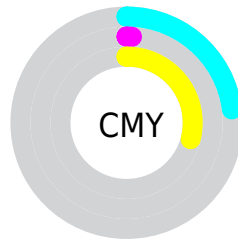
- Red (77%)
- Green (99%)
- Blue (71%)



- Red (71%)
- Yellow (99%)
- Blue (93%)



- Cyan (22%)
- Magenta (0%)
- Yellow (29%)
- Black (1%)



- Cyan (23%)
- Magenta (1%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the RYB color 180, 252, 236 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 180, 252, 236 by changing the saturation by 10% instead.

 180, 252, 236


255, 255, 255


 236, 255, 237


 180, 252, 236

 153, 223, 208

 127, 195, 181

 101, 168, 155

 77, 141, 129

 53, 115, 105

 30, 90, 82

 6, 66, 64

 0, 44, 44

 0, 21, 21

■ 180, 252, 236

■ 180, 252, 236

■ 155, 252, 231

■ 205, 252, 241

■ 130, 252, 225

■ 230, 252, 247

■ 104, 252, 219

■ 255, 252, 255

■ 79, 252, 213

■ 54, 252, 208

■ 29, 252, 203

■ 4, 252, 197

■ 0, 252, 196

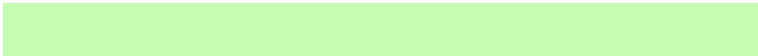
Harmonies

Analogous

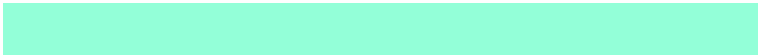
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



158, 242, 158



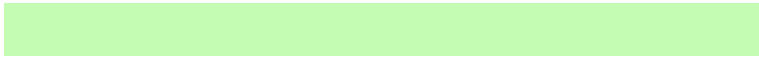
180, 252, 236



147, 213, 255

Triad

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



180, 252, 236



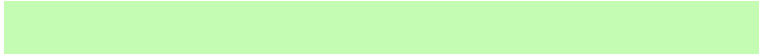
154, 202, 255



255, 207, 216

Complementary

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



180, 252, 236



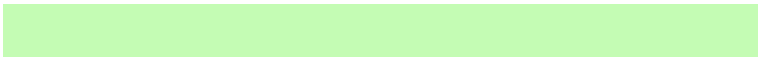
236, 180, 252

Split Complementary

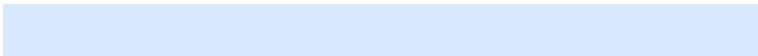
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



255, 208, 255



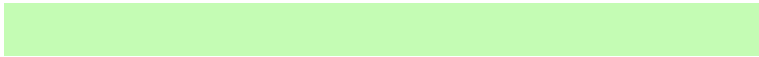
180, 252, 236



216, 228, 255

Square

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



180, 252, 236



103, 179, 255



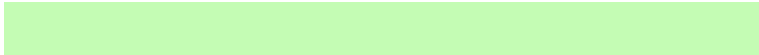
255, 219, 255



255, 246, 180

Rectangle

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



180, 252, 236



117, 189, 255



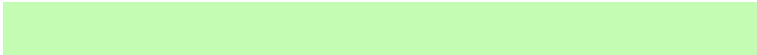
255, 219, 255



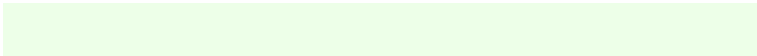
255, 206, 229

Sweetspot

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



180, 252, 236



232, 255, 250



202, 252, 180



113, 128, 124



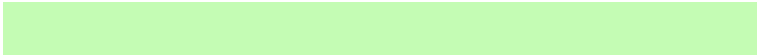
0, 0, 0



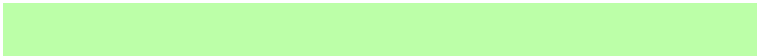
128, 128, 128

Same Dimension

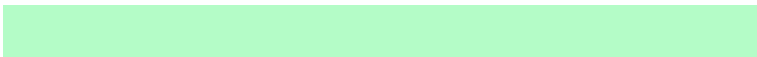
The Same Dimension uses a secret algorithm to generate beautiful new colors.



180, 252, 236



168, 255, 235



180, 237, 252



112, 125, 122



0, 189, 147



0, 61, 47

Inverse Universe

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



236, 180, 252



236, 168, 255



252, 180, 233



122, 112, 125



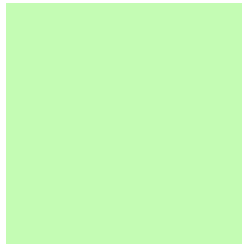
147, 0, 189



48, 0, 61

Previews

White Background



This preview shows how the RYB color 180, 252, 236 looks on a white background.

Color Contrast Check

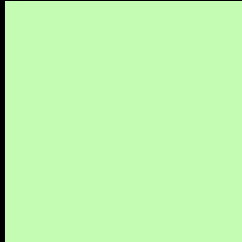
Large Text (above 18pt) WCAG AA × Fail

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 180, 252, 236 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 180, 252, 236 Background



This preview shows how black text looks on a background with the RYB color 180, 252, 236.

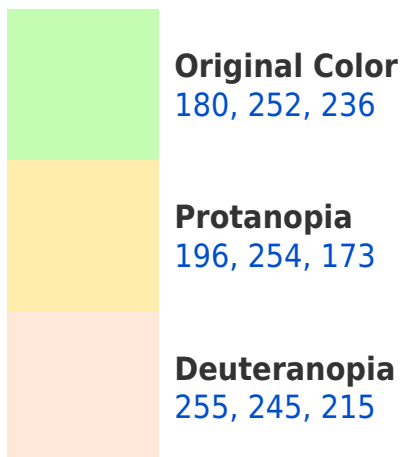


This preview shows how white text looks on a background with the RYB color 180, 252, 236.

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





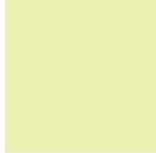
Tritanopia
216, 231, 255

Trichromacy



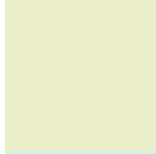
Original Color

180, 252, 236



Protanomaly

176, 242, 185



Deuteranomaly

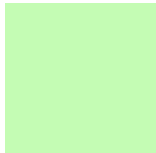
202, 239, 207



Tritanomaly

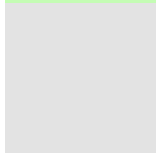
209, 232, 244

Monochromacy



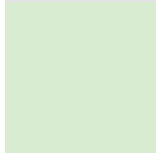
Original Color

180, 252, 236



Achromatopsia

227, 227, 227



Achromatomaly

210, 236, 230

CSS Examples

Text

The CSS property to change the color of the text to RYB 180, 252, 236 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(196, 252, 180)` looks like.

```
.text, #text, p{  
    color:rgb(196, 252, 180)  
}
```

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(196, 252, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 252, 180) }
```

Border

The CSS property to change the border of an element to RYB 180, 252, 236 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(196, 252, 180) }
```

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

```
.border{ border-color:rgb(196, 252, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 252, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 252, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 252, 180);  
box-shadow:4px 4px 4px 4px rgb(196, 252,  
180) }
```

Background

The CSS property to change the background color of an element to RYB 180, 252, 236 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 252, 180) }
```

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

```
.background{ background-color: rgb(196,  
252, 180) }
```

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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