

Converting Colors

`RYB(180, 237, 200)`

Have a look what the booklet for
RYB(180, 237, 200) contains.

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Color

R_YB(180, 237, 200)

Conversions

Conversions Part 1

Format	Color
Hex	D9EDB4
RGB	217, 237, 180
RGB Percent	85%, 93%, 71%
CMY	0.1490, 0.0706, 0.2941
CMYK	0.08, 0.00, 0.24, 0.07
HSL	81°, 61%, 82%
HSV	81°, 24%, 93%
XYZ	67.1377, 78.6154, 54.8158
YIQ	224.5220, 6.3770, -21.9670

Conversions

Conversions Part 2

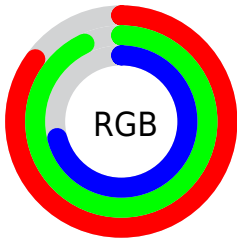
Format	Color
RYB	180, 237, 200
Decimal	14282164
CIELab	91.06, -16.17, 25.48
CIELCh	91, 30.182, 122.400
Yxy	78.6154, 0.3347, 0.3920
Android (android.graphics.Color)	4292472244 (0xFFD9EDB4)
YUV	224.5220, -21.9493, -6.5968
Hunter-Lab	88.6653, -20.0035, 25.4107

Details

The RYB color **180, 237, 200** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **200, 180, 237**, and the grayscale version is **225, 225, 225**.

A 20% lighter version of the original color is **236, 255, 236**, and **127, 181, 146** is the 20% darker color. If you saturate the color by 10%, you get **156, 237, 184**, and if you desaturate by 10%, it is **204, 237, 216**.

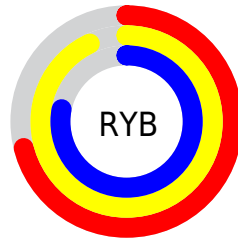
Distribution



Red (85%)

Green (93%)

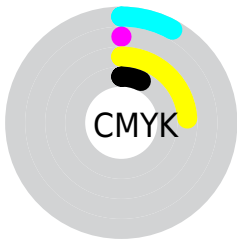
Blue (71%)



Red (71%)

Yellow (93%)

Blue (78%)

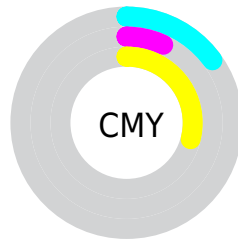


Cyan (8%)

Magenta (0%)

Yellow (24%)

Black (7%)



Cyan (15%)

Magenta (7%)

Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the RYB color 180, 237, 200 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, 237, 200 by changing the saturation by 10% instead.

■ 180, 237, 200

255, 255, 255

■ 236, 255, 236

■ 180, 237, 200

■ 153, 209, 173

■ 127, 181, 146

■ 102, 154, 121

■ 77, 128, 96

■ 54, 103, 73

■ 31, 79, 49

■ 9, 56, 27

■ 0, 34, 17

■ 0, 7, 7

 180, 237, 200

 180, 237, 200

 156, 237, 184

 204, 237, 216

 133, 237, 170

 227, 237, 230

 109, 237, 154

 242, 237, 251

 85, 237, 138

 250, 237, 255

 62, 237, 124

 255, 237, 255

 38, 237, 108

 14, 237, 92

 0, 237, 83

Harmonies

Analogous

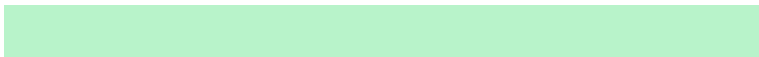
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



201, 249, 172



180, 237, 200



184, 229, 243

Triad

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



180, 237, 200



162, 204, 255



255, 208, 228

Complementary

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



180, 237, 200



200, 180, 237

Split Complementary

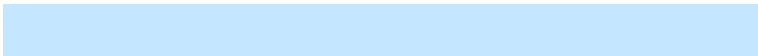
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



255, 212, 255



180, 237, 200



197, 218, 255

Square

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



180, 237, 200



145, 197, 255



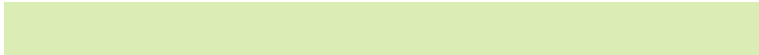
237, 221, 255



255, 214, 200

Rectangle

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



180, 237, 200



164, 212, 245



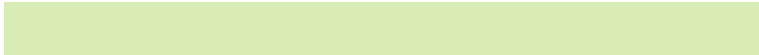
237, 221, 255



255, 209, 238

Sweetspot

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



180, 237, 200



237, 255, 243



237, 211, 180



117, 128, 121



0, 0, 0



128, 128, 128

Same Dimension

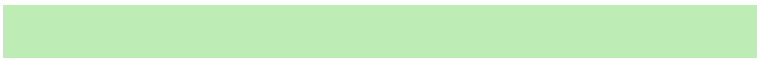
The Same Dimension uses a secret algorithm to generate beautiful new colors.



180, 237, 200



181, 255, 207



180, 237, 228



106, 117, 110



0, 181, 63



0, 54, 19

Inverse Universe

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



200, 180, 237



207, 181, 255



228, 180, 237



110, 106, 117



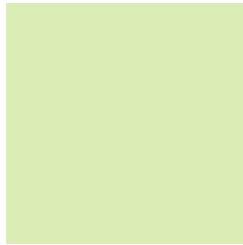
64, 0, 181



19, 0, 54

Previews

White Background



This preview shows how the RYB color 180, 237, 200 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, 237, 200 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

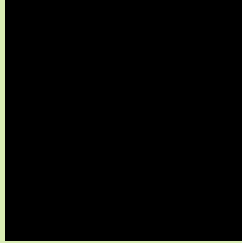
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

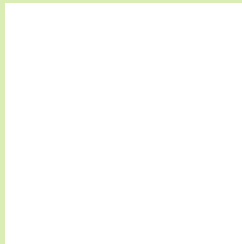
Any Text WCAG AAA ✓ Pass

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

RYB 180, 237, 200 Background



This preview shows how black text looks on a background with the RYB color 180, 237, 200.

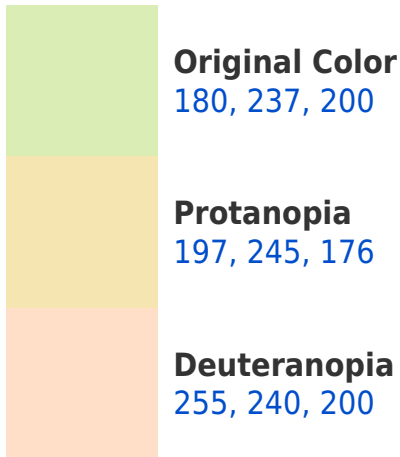


This preview shows how white text looks on a background with the RYB color 180, 237, 200.

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](#).

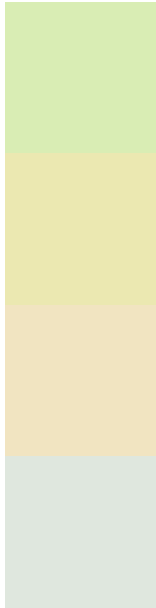
Dichromacy





Tritanopia
226, 228, 246

Trichromacy



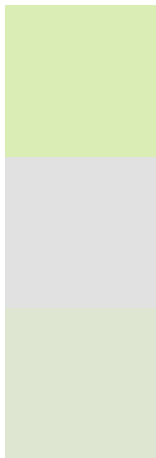
Original Color
180, 237, 200

Protanomaly
180, 235, 177

Deuteranomaly
211, 241, 193

Tritanomaly
222, 231, 230

Monochromacy



Original Color
180, 237, 200

Achromatopsia
225, 225, 225

Achromatomaly
209, 229, 216

CSS Examples

Text

The CSS property to change the color of the text to RYB 180, 237, 200 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(217, 237, 180)` looks like.

```
.text, #text, p{  
    color:rgb(217, 237, 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(217, 237, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 237, 180) }
```

Border

The CSS property to change the border of an element to RYB 180, 237, 200 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(217, 237, 180) }
```

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

```
.border{ border-color:rgb(217, 237, 180) }
```

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

Here you see how a box with a 4 pixel rgb(217, 237, 180) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 237, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 237, 180);  
box-shadow:4px 4px 4px 4px rgb(217, 237,  
180) }
```

Background

The CSS property to change the background color of an element to RYB 180, 237, 200 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 237, 180) }
```

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

```
.background{ background-color: rgb(217,  
237, 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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