

Converting Colors

`RYB(181, 254, 213)`

Have a look what the booklet for
RYB(181, 254, 213) contains.

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Color

R_YB(181, 254, 213)

Conversions

Conversions Part 1

Format	Color
Hex	DEFEB5
RGB	222, 254, 181
RGB Percent	87%, 100%, 71%
CMY	0.1294, 0.0039, 0.2902
CMYK	0.13, 0.00, 0.29, 0.00
HSL	86°, 97%, 85%
HSV	86°, 29%, 100%
XYZ	73.9065, 89.7494, 57.1441
YIQ	236.1100, 4.3610, -29.4870

Conversions

Conversions Part 2

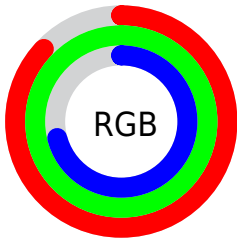
Format	Color
RYB	181, 254, 213
Decimal	14614197
CIELab	95.89, -22.51, 31.59
CIELCh	96, 38.796, 125.475
Yxy	89.7494, 0.3347, 0.4065
Android (android.graphics.Color)	4292804277 (0xFFDEFEB5)
YUV	236.1100, -27.1692, -12.3745
Hunter-Lab	94.7362, -26.5351, 30.5520

Details

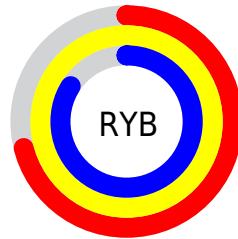
The RYB color **181, 254, 213** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **213, 181, 254**, and the grayscale version is **236, 236, 236**.

A 20% lighter version of the original color is **237, 255, 237**, and **128, 197, 159** is the 20% darker color. If you saturate the color by 10%, you get **156, 254, 199**, and if you desaturate by 10%, it is **206, 254, 227**.

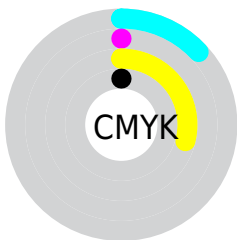
Distribution



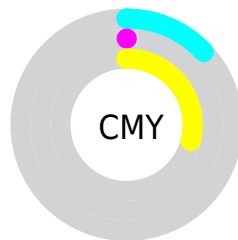
- Red (87%)
- Green (100%)
- Blue (71%)



- Red (71%)
- Yellow (100%)
- Blue (84%)



- Cyan (13%)
- Magenta (0%)
- Yellow (29%)
- Black (0%)



- Cyan (13%)
- Magenta (0%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the RYB color 181, 254, 213 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 181, 254, 213 by changing the saturation by 10% instead.

 181, 254, 213


255, 255, 255


 237, 255, 237

 181, 254, 213

 154, 225, 185


 128, 197, 159

 102, 170, 133

 77, 143, 107

 53, 118, 83

 30, 93, 60

 6, 69, 36

 0, 46, 29

 0, 28, 28

■ 181, 254, 213

■ 181, 254, 213

■ 156, 254, 199

■ 206, 254, 227

■ 130, 254, 184

■ 232, 254, 242

■ 105, 254, 170

255, 254, 255

■ 79, 254, 156

■ 54, 254, 142

■ 29, 254, 128

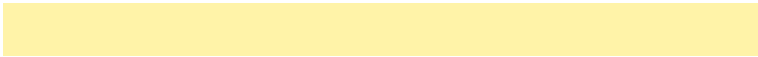
■ 3, 254, 113

■ 0, 254, 111

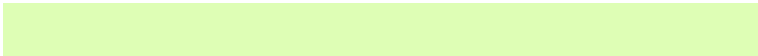
Harmonies

Analogous

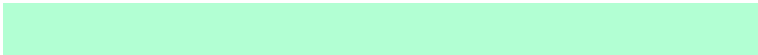
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



182, 255, 168



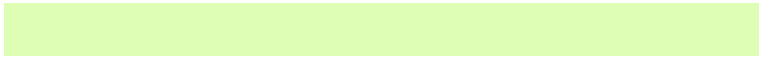
181, 254, 213



178, 232, 255

Triad

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



181, 254, 213



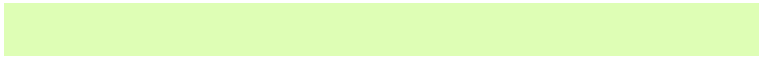
151, 203, 255



255, 215, 238

Complementary

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



181, 254, 213



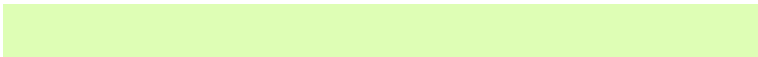
213, 181, 254

Split Complementary

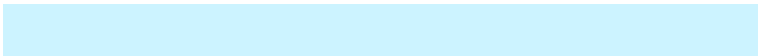
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



255, 220, 255



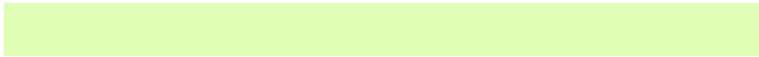
181, 254, 213



204, 226, 255

Square

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



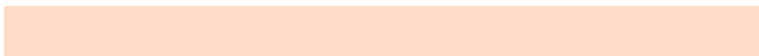
181, 254, 213



123, 189, 255



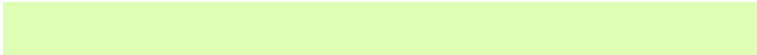
255, 231, 255



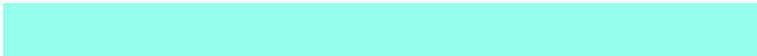
255, 228, 201

Rectangle

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



181, 254, 213



150, 208, 255



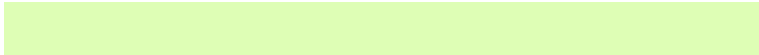
255, 231, 255



255, 216, 250

Sweetspot

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



181, 254, 213



232, 255, 242



254, 238, 181



113, 128, 120



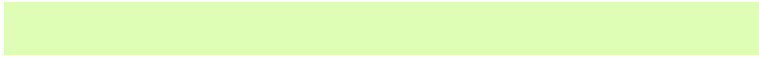
0, 0, 0



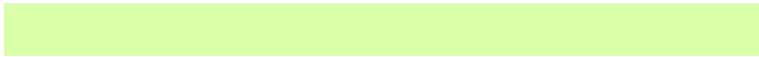
128, 128, 128

Same Dimension

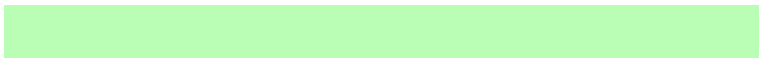
The Same Dimension uses a secret algorithm to generate beautiful new colors.



181, 254, 213



168, 255, 206



181, 254, 249



115, 128, 121



0, 191, 84



0, 64, 28

Inverse Universe

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



213, 181, 254



206, 168, 255



249, 181, 254



120, 115, 128



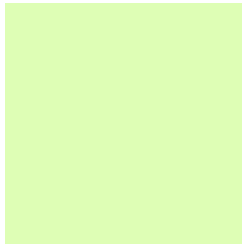
84, 0, 191



28, 0, 64

Previews

White Background



This preview shows how the RYB color 181, 254, 213 looks on a white background.

Color Contrast Check

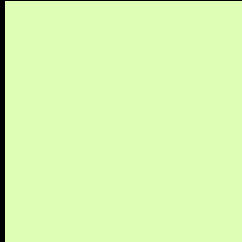
Large Text (above 18pt) WCAG AA × Fail

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 181, 254, 213 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

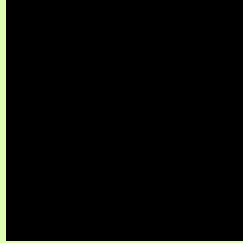
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

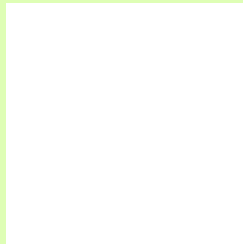
Any Text WCAG AAA ✓ Pass

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

RYB 181, 254, 213 Background



This preview shows how black text looks on a background with the RYB color 181, 254, 213.

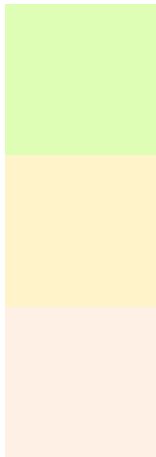


This preview shows how white text looks on a background with the RYB color 181, 254, 213.

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
181, 254, 213

Protanopia
218, 255, 202

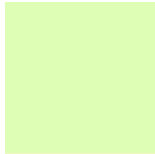
Deuteranopia
255, 248, 229



Tritanopia

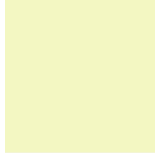
237, 242, 255

Trichromacy



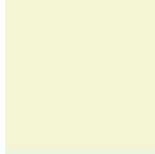
Original Color

181, 254, 213



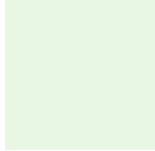
Protanomaly

194, 247, 198



Deuteranomaly

212, 245, 214



Tritanomaly

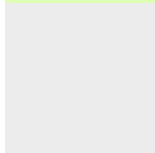
228, 247, 243

Monochromacy



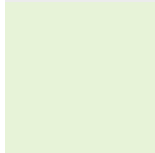
Original Color

181, 254, 213



Achromatopsia

236, 236, 236



Achromatomaly

216, 243, 228

CSS Examples

Text

The CSS property to change the color of the text to RYB 181, 254, 213 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(222, 254, 181)` looks like.

```
.text, #text, p{  
    color:rgb(222, 254, 181)  
}
```

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(222, 254, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 254, 181) }
```

Border

The CSS property to change the border of an element to RYB 181, 254, 213 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(222, 254, 181) }
```

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

```
.border{ border-color:rgb(222, 254, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 254, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(222, 254, 181); -webkit-box-shadow:4px 4px 4px 4px rgb(222, 254, 181); box-shadow:4px 4px 4px 4px rgb(222, 254, 181) }
```

Background

The CSS property to change the background color of an element to RYB 181, 254, 213 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 254, 181) }
```

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

```
.background{ background-color: rgb(222,  
254, 181) }
```

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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