

Converting Colors

`RYB(177, 255, 213)`

Have a look what the booklet for
RYB(177, 255, 213) contains.

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Color

R_YB(177, 255, 213)

Conversions

Conversions Part 1

Format	Color
Hex	DBFFB1
RGB	219, 255, 177
RGB Percent	86%, 100%, 69%
CMY	0.1412, 0.0000, 0.3059
CMYK	0.14, 0.00, 0.31, 0.00
HSL	88°, 100%, 85%
HSV	88°, 31%, 100%
XYZ	72.9092, 89.7544, 55.0766
YIQ	235.3440, 3.5820, -31.8900

Conversions

Conversions Part 2

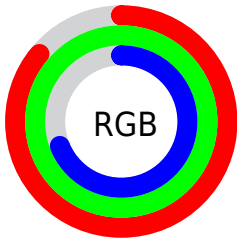
Format	Color
RYB	177, 255, 213
Decimal	14417841
CIELab	95.89, -24.60, 33.57
CIELCh	96, 41.617, 126.238
Yxy	89.7544, 0.3348, 0.4122
Android (android.graphics.Color)	4292607921 (0xFFDBFFB1)
YUV	235.3440, -28.7636, -14.3337
Hunter-Lab	94.7388, -28.4226, 31.8488

Details

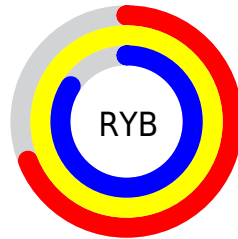
The RYB color **177, 255, 213** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **213, 177, 255**, and the grayscale version is **236, 236, 236**.

A 20% lighter version of the original color is **233, 255, 233**, and **124, 198, 159** is the 20% darker color. If you saturate the color by 10%, you get **151, 255, 199**, and if you desaturate by 10%, it is **203, 255, 227**.

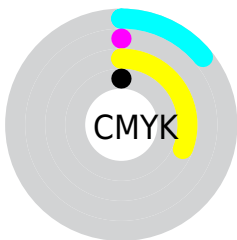
Distribution



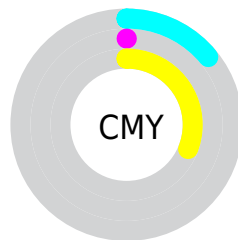
- Red (86%)
- Green (100%)
- Blue (69%)



- Red (69%)
- Yellow (100%)
- Blue (84%)



- Cyan (14%)
- Magenta (0%)
- Yellow (31%)
- Black (0%)



- Cyan (14%)
- Magenta (0%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the RYB color 177, 255, 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 177, 255, 213 by changing the saturation by 10% instead.

 177, 255, 213


255, 255, 255


 233, 255, 233

 177, 255, 213

 150, 226, 185

 124, 198, 159

 98, 171, 133

 73, 144, 107

 50, 118, 83

 26, 94, 60

 1, 70, 35

 0, 47, 36

 0, 29, 29

■ 177, 255, 213

■ 177, 255, 213

■ 151, 255, 199

■ 203, 255, 227

■ 126, 255, 186

■ 228, 255, 240

■ 100, 255, 171

254, 255, 255

■ 75, 255, 158

255, 255, 255

■ 49, 255, 144

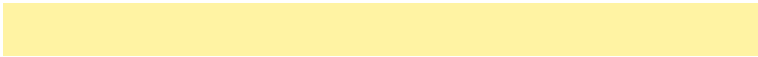
■ 24, 255, 131

■ 0, 255, 118

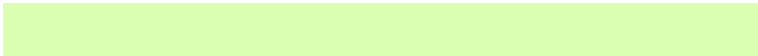
Harmonies

Analogous

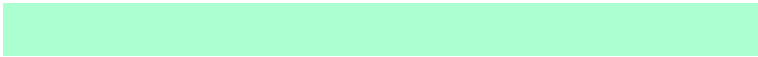
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



177, 255, 163



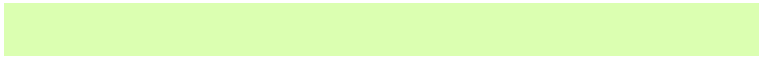
177, 255, 213



171, 229, 255

Triad

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



177, 255, 213



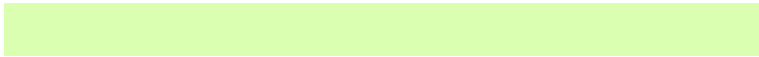
142, 199, 255



255, 213, 236

Complementary

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



177, 255, 213



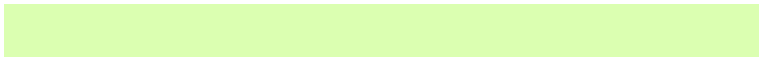
213, 177, 255

Split Complementary

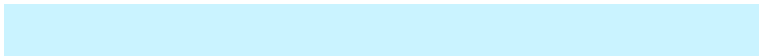
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



255, 217, 255



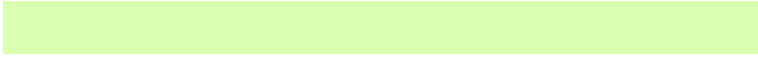
177, 255, 213



202, 225, 255

Square

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



177, 255, 213



107, 181, 255



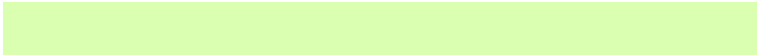
255, 230, 255



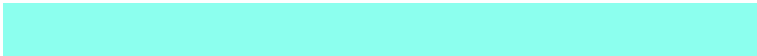
255, 230, 197

Rectangle

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



177, 255, 213



140, 202, 255



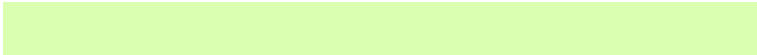
255, 230, 255



255, 213, 250

Sweetspot

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



177, 255, 213



232, 255, 243



255, 240, 177



113, 128, 120



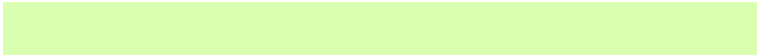
0, 0, 0



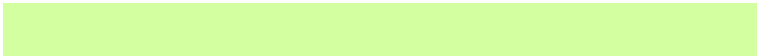
128, 128, 128

Same Dimension

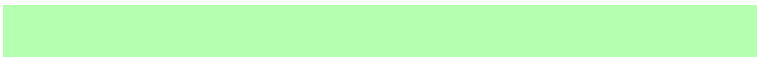
The Same Dimension uses a secret algorithm to generate beautiful new colors.



177, 255, 213



161, 255, 205



177, 255, 251



115, 128, 121



0, 191, 88



0, 64, 30

Inverse Universe

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



213, 177, 255



204, 161, 255



251, 177, 255



121, 115, 128



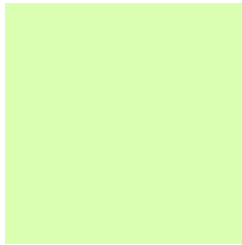
88, 0, 191



29, 0, 64

Previews

White Background



This preview shows how the RYB color 177, 255, 213 looks on a white background.

Color Contrast Check

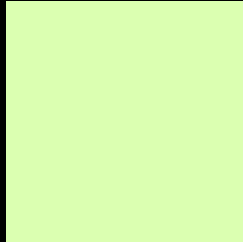
Large Text (above 18pt) WCAG AA × Fail

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 177, 255, 213 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

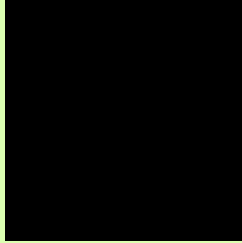
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

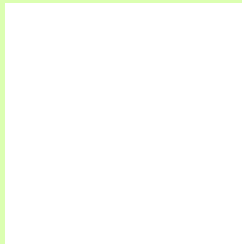
Any Text WCAG AAA ✓ Pass

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

RYB 177, 255, 213 Background



This preview shows how black text looks on a background with the RYB color 177, 255, 213.

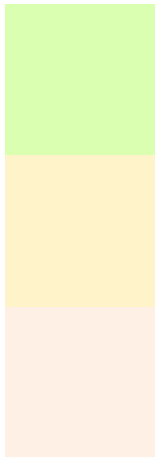


This preview shows how white text looks on a background with the RYB color 177, 255, 213.

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
177, 255, 213

Protanopia
216, 255, 201

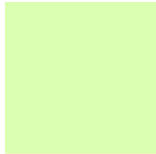
Deuteranopia
255, 248, 229



Tritanopia

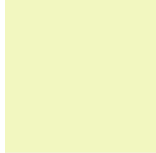
236, 241, 255

Trichromacy



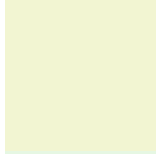
Original Color

177, 255, 213



Protanomaly

192, 247, 197



Deuteranomaly

210, 245, 213



Tritanomaly

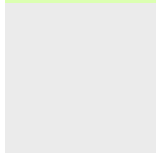
227, 247, 244

Monochromacy



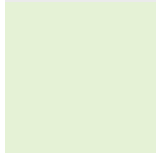
Original Color

177, 255, 213



Achromatopsia

235, 235, 235



Achromatomaly

214, 242, 227

CSS Examples

Text

The CSS property to change the color of the text to RYB 177, 255, 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(219, 255, 177)` looks like.

```
.text, #text, p{  
    color:rgb(219, 255, 177)  
}
```

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(219, 255, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 255, 177) }
```

Border

The CSS property to change the border of an element to RYB 177, 255, 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(219, 255, 177) }
```

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

```
.border{ border-color:rgb(219, 255, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 255, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 255, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 255, 177);  
box-shadow:4px 4px 4px 4px rgb(219, 255,  
177) }
```

Background

The CSS property to change the background color of an element to RYB 177, 255, 213 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 255, 177) }
```

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

```
.background{ background-color: rgb(219,  
255, 177) }
```

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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