

Converting Colors

`RYB(171, 237, 213)`

Have a look what the booklet for
RYB(171, 237, 213) contains.

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Color

R_YB(171, 237, 213)

Conversions

Conversions Part 1

Format	Color
Hex	C3EDAB
RGB	195, 237, 171
RGB Percent	76%, 93%, 67%
CMY	0.2353, 0.0706, 0.3294
CMYK	0.18, 0.00, 0.28, 0.07
HSL	98°, 65%, 80%
HSV	98°, 28%, 93%
XYZ	60.1405, 75.1107, 49.8562
YIQ	216.9180, -3.8460, -29.4300

Conversions

Conversions Part 2

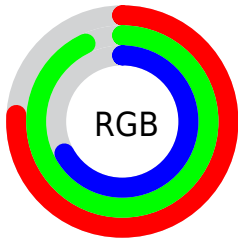
Format	Color
RYB	171, 237, 213
Decimal	12840363
CIELab	89.44, -25.25, 27.65
CIElCh	89, 37.445, 132.404
Yxy	75.1107, 0.3249, 0.4058
Android (android.graphics.Color)	4291030443 (0xFFC3EDAB)
YUV	216.9180, -22.6376, -19.2221
Hunter-Lab	86.6665, -27.7996, 26.5591

Details

The RYB color **171, 237, 213** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **213, 171, 237**, and the grayscale version is **217, 217, 217**.

A 20% lighter version of the original color is **227, 255, 230**, and **118, 181, 159** is the 20% darker color. If you saturate the color by 10%, you get **147, 237, 204**, and if you desaturate by 10%, it is **195, 237, 222**.

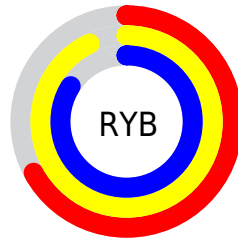
Distribution



Red (76%)

Green (93%)

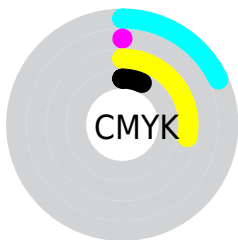
Blue (67%)



Red (67%)

Yellow (93%)

Blue (84%)

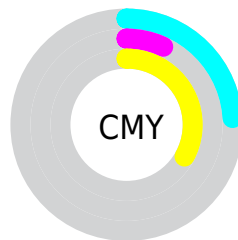


Cyan (18%)

Magenta (0%)

Yellow (28%)

Black (7%)



Cyan (24%)

Magenta (7%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the RYB color 171, 237, 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 171, 237, 213 by changing the saturation by 10% instead.

 171, 237, 213


 171, 237, 213


255, 255, 255

 144, 209, 186

 227, 255, 230

 118, 181, 159

 93, 154, 133

 69, 128, 108

 46, 103, 85

 23, 78, 61

 0, 55, 39

 0, 34, 34

 0, 0, 0

■ 171, 237, 213

■ 171, 237, 213

■ 147, 237, 204

■ 195, 237, 222

■ 124, 237, 196

■ 218, 237, 230

■ 100, 237, 187

■ 240, 237, 242

■ 76, 237, 178

■ 255, 237, 255

■ 52, 237, 169

■ 29, 237, 161

■ 5, 237, 153

■ 0, 237, 151

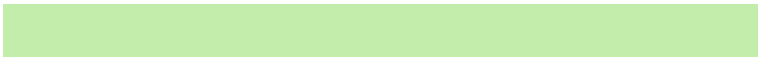
Harmonies

Analogous

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



163, 235, 154



171, 237, 213



153, 211, 243

Triad

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



171, 237, 213



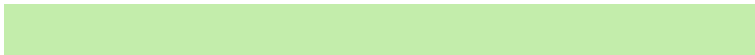
147, 195, 255



255, 198, 211

Complementary

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



171, 237, 213



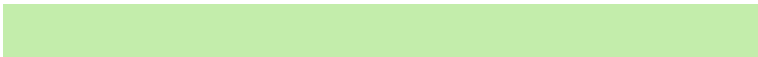
213, 171, 237

Split Complementary

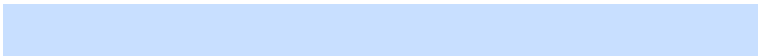
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



255, 201, 247



171, 237, 213



200, 216, 255

Square

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



171, 237, 213



111, 180, 255



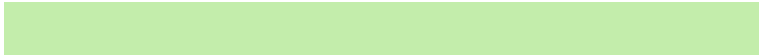
248, 210, 255



255, 217, 178

Rectangle

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



171, 237, 213



128, 191, 245



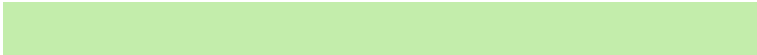
248, 210, 255



255, 198, 223

Sweetspot

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



171, 237, 213



235, 255, 248



209, 237, 171



115, 128, 124



0, 0, 0



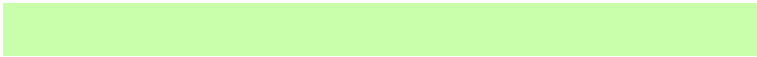
128, 128, 128

Same Dimension

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



171, 237, 213



171, 255, 225



171, 229, 237



106, 117, 113



0, 181, 115



0, 54, 35

Inverse Universe

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



213, 171, 237



224, 171, 255



237, 171, 228



113, 106, 117



115, 0, 181



34, 0, 54

Previews

White Background



This preview shows how the RYB color 171, 237, 213 looks on a white background.

Color Contrast Check

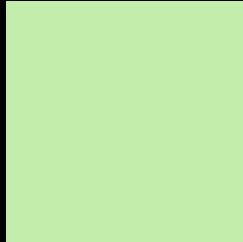
Large Text (above 18pt) WCAG AA × Fail

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 171, 237, 213 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

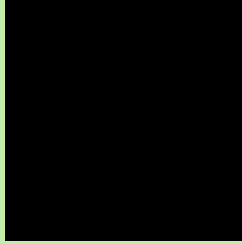
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

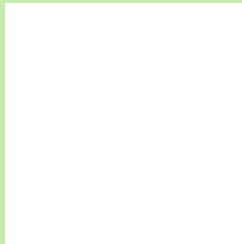
Any Text WCAG AAA ✓ Pass

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

RYB 171, 237, 213 Background



This preview shows how black text looks on a background with the RYB color 171, 237, 213.

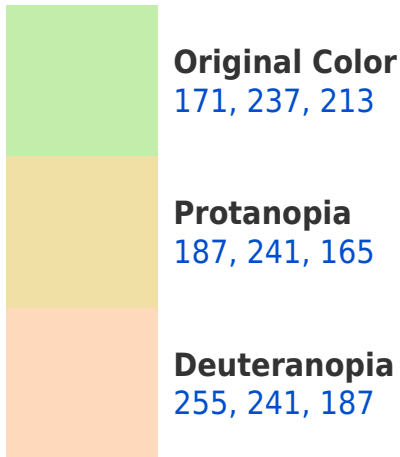


This preview shows how white text looks on a background with the RYB color 171, 237, 213.

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





Tritanopia

207, 220, 245

Trichromacy



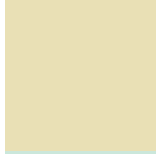
Original Color

171, 237, 213



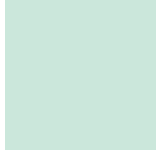
Protanomaly

167, 229, 172



Deuteranomaly

192, 233, 181



Tritanomaly

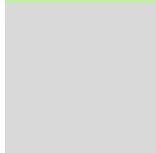
203, 221, 231

Monochromacy



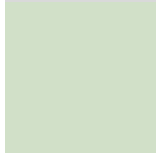
Original Color

171, 237, 213



Achromatopsia

217, 217, 217



Achromatomaly

200, 224, 215

CSS Examples

Text

The CSS property to change the color of the text to RYB 171, 237, 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(195, 237, 171)` looks like.

```
.text, #text, p{  
    color:rgb(195, 237, 171)  
}
```

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(195, 237, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 237, 171) }
```

Border

The CSS property to change the border of an element to RYB 171, 237, 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(195, 237, 171) }
```

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

```
.border{ border-color:rgb(195, 237, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(195, 237, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 237, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 237, 171);  
box-shadow:4px 4px 4px 4px rgb(195, 237,  
171) }
```

Background

The CSS property to change the background color of an element to RYB 171, 237, 213 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 237, 171) }
```

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

```
.background{ background-color: rgb(195,  
237, 171) }
```

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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