

Converting Colors

`RYB(163, 239, 209)`

Have a look what the booklet for
RYB(163, 239, 209) contains.

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Color

R_YB(163, 239, 209)

Conversions

Conversions Part 1

Format	Color
Hex	C1EFA3
RGB	193, 239, 163
RGB Percent	76%, 94%, 64%
CMY	0.2431, 0.0627, 0.3608
CMYK	0.19, 0.00, 0.32, 0.06
HSL	96°, 70%, 79%
HSV	96°, 32%, 94%
XYZ	59.4697, 75.7148, 46.1304
YIQ	216.5820, -3.0200, -33.3880

Conversions

Conversions Part 2

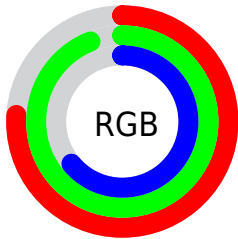
Format	Color
RYB	163, 239, 209
Decimal	12709795
CIELab	89.73, -28.07, 32.08
CIELCh	90, 42.622, 131.188
Yxy	75.7148, 0.3280, 0.4176
Android (android.graphics.Color)	4290899875 (0xFFC1EFA3)
YUV	216.5820, -26.4159, -20.6814
Hunter-Lab	87.0143, -30.2796, 29.4775

Details

The RYB color **163, 239, 209** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **209, 163, 239**, and the grayscale version is **217, 217, 217**.

A 20% lighter version of the original color is **218, 255, 223**, and **111, 183, 156** is the 20% darker color. If you saturate the color by 10%, you get **139, 239, 199**, and if you desaturate by 10%, it is **187, 239, 219**.

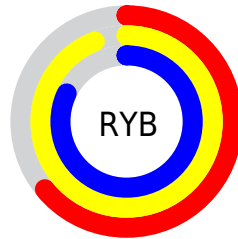
Distribution



Red (76%)

Green (94%)

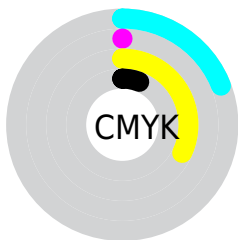
Blue (64%)



Red (64%)

Yellow (94%)

Blue (82%)

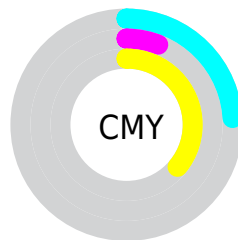


Cyan (19%)

Magenta (0%)

Yellow (32%)

Black (6%)



Cyan (24%)

Magenta (6%)

Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the RYB color 163, 239, 209 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 163, 239, 209 by changing the saturation by 10% instead.

 163, 239, 209


255, 255, 255


 218, 255, 223


 247, 255, 247

 163, 239, 209

 136, 211, 182

 111, 183, 156


 85, 156, 129

 61, 130, 105

 38, 104, 81

 14, 80, 58

 0, 56, 44

 0, 35, 35

 0, 0, 0

 163, 239, 209

 163, 239, 209

 139, 239, 199

 187, 239, 219


 115, 239, 190

 211, 239, 228

 91, 239, 180

 235, 239, 238

 67, 239, 171

 251, 239, 255

 43, 239, 161

 255, 239, 255

 20, 239, 153

 0, 239, 145

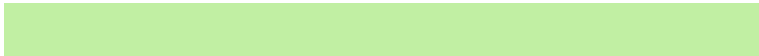
Harmonies

Analogous

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



156, 238, 145



163, 239, 209



144, 211, 246

Triad

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



163, 239, 209



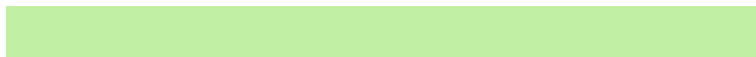
128, 187, 255



255, 195, 212

Complementary

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



163, 239, 209



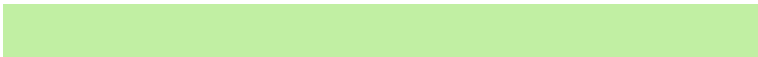
209, 163, 239

Split Complementary

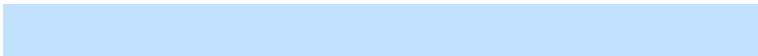
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



255, 198, 253



163, 239, 209



193, 214, 255

Square

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



163, 239, 209



79, 164, 255



250, 210, 255



255, 215, 174

Rectangle

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



163, 239, 209



110, 185, 248



250, 210, 255



255, 194, 226

Sweetspot

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



163, 239, 209



230, 255, 245



213, 239, 163



112, 128, 122



0, 0, 0



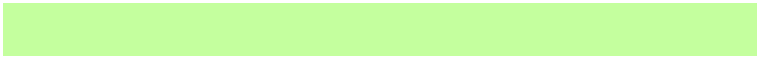
128, 128, 128

Same Dimension

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



163, 239, 209



158, 255, 217



163, 232, 239



108, 120, 115



0, 184, 112



0, 56, 34

Inverse Universe

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



209, 163, 239



217, 158, 255



239, 163, 231



115, 108, 120



111, 0, 184



34, 0, 56

Previews

White Background



This preview shows how the RYB color 163, 239, 209 looks on a white background.

Color Contrast Check

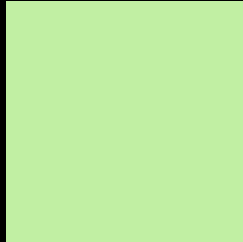
Large Text (above 18pt) WCAG AA × Fail

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 163, 239, 209 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

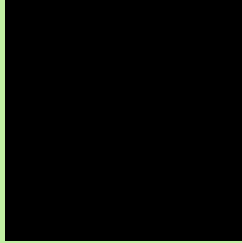
Any Text WCAG AA ✓ Pass

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 163, 239, 209 Background



This preview shows how black text looks on a background with the RYB color 163, 239, 209.

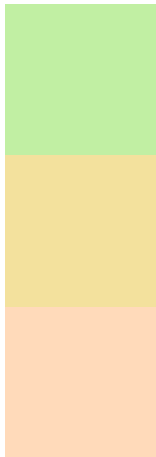


This preview shows how white text looks on a background with the RYB color 163, 239, 209.

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
163, 239, 209

Protanopia
180, 243, 157

Deuteranopia
255, 246, 186



Tritanopia
206, 220, 247

Trichromacy



Original Color

163, 239, 209



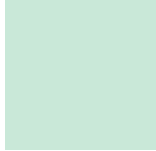
Protanomaly

159, 230, 164



Deuteranomaly

185, 232, 178



Tritanomaly

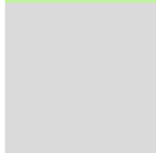
201, 222, 232

Monochromacy



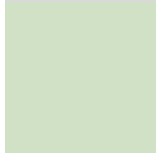
Original Color

163, 239, 209



Achromatopsia

217, 217, 217



Achromatomaly

197, 225, 214

CSS Examples

Text

The CSS property to change the color of the text to RYB 163, 239, 209 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(193, 239, 163)` looks like.

```
.text, #text, p{  
    color:rgb(193, 239, 163)  
}
```

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(193, 239, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 239, 163) }
```

Border

The CSS property to change the border of an element to RYB 163, 239, 209 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(193, 239, 163) }
```

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

```
.border{ border-color:rgb(193, 239, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 239, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 239, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 239, 163);  
box-shadow:4px 4px 4px 4px rgb(193, 239,  
163) }
```

Background

The CSS property to change the background color of an element to RYB 163, 239, 209 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 239, 163) }
```

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

```
.background{ background-color: rgb(193,  
239, 163) }
```

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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