

Converting Colors

`RYB(154, 231, 209)`

Have a look what the booklet for
RYB(154, 231, 209) contains.

RYB(154, 231, 209)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

R_YB(154, 231, 209)

Conversions

Conversions Part 1

Format	Color
Hex	B0E79A
RGB	176, 231, 154
RGB Percent	69%, 91%, 60%
CMY	0.3098, 0.0941, 0.3961
CMYK	0.24, 0.00, 0.33, 0.09
HSL	103°, 62%, 75%
HSV	103°, 33%, 91%
XYZ	52.3131, 68.7150, 41.0780
YIQ	205.7770, -8.0630, -35.6070

Conversions

Conversions Part 2

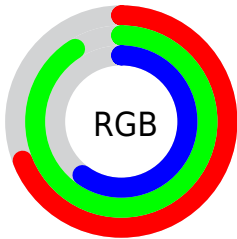
Format	Color
RYB	154, 231, 209
Decimal	11593626
CIELab	86.36, -31.46, 31.97
CIELCh	86, 44.855, 134.538
Yxy	68.7150, 0.3227, 0.4239
Android (android.graphics.Color)	4289783706 (0xFFB0E79A)
YUV	205.7770, -25.5261, -26.1144
Hunter-Lab	82.8945, -32.4175, 28.6453

Details

The RYB color **154, 231, 209** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **209, 154, 231**, and the grayscale version is **206, 206, 206**.

A 20% lighter version of the original color is **209, 255, 231**, and **102, 175, 155** is the 20% darker color. If you saturate the color by 10%, you get **131, 231, 202**, and if you desaturate by 10%, it is **177, 231, 215**.

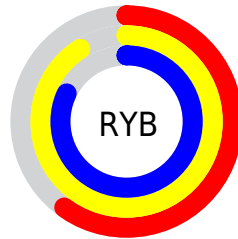
Distribution



Red (69%)

Green (91%)

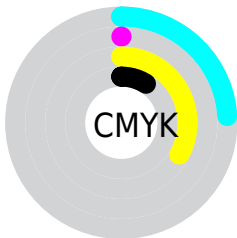
Blue (60%)



Red (60%)

Yellow (91%)

Blue (82%)

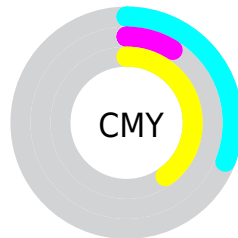


Cyan (24%)

Magenta (0%)

Yellow (33%)

Black (9%)



Cyan (31%)

Magenta (9%)

Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the RYB color 154, 231, 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 154, 231, 209 by changing the saturation by 10% instead.


 154, 231, 209

 154, 231, 209


255, 255, 255


 128, 203, 182

 209, 255, 231

 102, 175, 155

 237, 255, 237


 77, 148, 129

 53, 122, 105

 30, 97, 82

 5, 73, 61


 0, 50, 50

 0, 30, 30

 0, 0, 0

 154, 231, 209

 154, 231, 209

 131, 231, 202

 177, 231, 215

 108, 231, 196

 200, 231, 222

 85, 231, 189

 223, 231, 228

 62, 231, 183

 242, 231, 246

 38, 231, 175

 255, 231, 255

 15, 231, 169

 0, 231, 165

Harmonies

Analogous

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



136, 224, 132



154, 231, 209



122, 193, 237

Triad

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



154, 231, 209



115, 177, 255



255, 183, 197

Complementary

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



154, 231, 209



209, 154, 231

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, 186, 240



154, 231, 209



188, 206, 255

Square

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



154, 231, 209



41, 143, 255



247, 198, 255



255, 210, 158

Rectangle

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



154, 231, 209



82, 165, 239



247, 198, 255



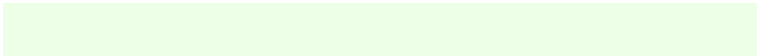
255, 183, 211

Sweetspot

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



154, 231, 209



230, 255, 248



187, 231, 154



112, 128, 123



0, 0, 0



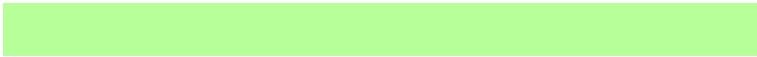
128, 128, 128

Same Dimension

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



154, 231, 209



153, 255, 226



154, 218, 231



103, 115, 111



0, 179, 128



0, 51, 36

Inverse Universe

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



209, 154, 231



226, 153, 255



231, 154, 216



111, 103, 115



128, 0, 179



36, 0, 51

Previews

White Background



This preview shows how the RYB color 154, 231, 209 looks on a white background.

Color Contrast Check

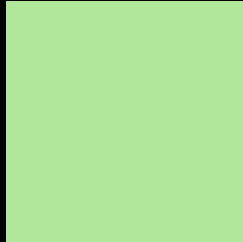
Large Text (above 18pt) WCAG AA × Fail

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 154, 231, 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 154, 231, 209 Background



This preview shows how black text looks on a background with the RYB color 154, 231, 209.

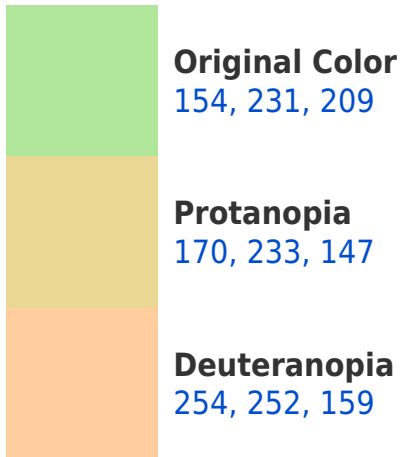


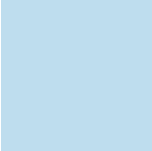
This preview shows how white text looks on a background with the RYB color 154, 231, 209.

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





Tritanopia
190, 209, 238

Trichromacy



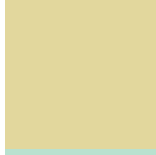
Original Color

154, 231, 209



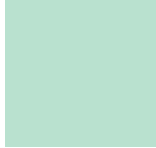
Protanomaly

150, 221, 159



Deuteranomaly

170, 226, 157



Tritanomaly

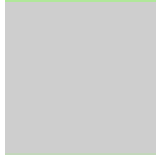
185, 211, 225

Monochromacy



Original Color

154, 231, 209



Achromatopsia

206, 206, 206



Achromatomaly

187, 215, 207

CSS Examples

Text

The CSS property to change the color of the text to RYB 154, 231, 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(176, 231, 154)` looks like.

```
.text, #text, p{  
    color:rgb(176, 231, 154)  
}
```

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(176, 231, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 231, 154) }
```

Border

The CSS property to change the border of an element to RYB 154, 231, 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(176, 231, 154) }
```

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

```
.border{ border-color:rgb(176, 231, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 231, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 231, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 231, 154);  
box-shadow:4px 4px 4px 4px rgb(176, 231,  
154) }
```

Background

The CSS property to change the background color of an element to RYB 154, 231, 209 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 231, 154) }
```

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

```
.background{ background-color: rgb(176,  
231, 154) }
```

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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