

# Converting Colors

`RYB(173, 227, 236)`

Have a look what the booklet for  
RYB(173, 227, 236) contains.

<b>RYB(173, 227, 236)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	23
<b><i>Color Blindness Simulation</i></b> .....	26
<b><i>CSS Examples</i></b> .....	29

# Color

**R<sub>Y</sub>B(173, 227, 236)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ADECB8
RGB	173, 236, 184
RGB Percent	68%, 93%, 72%
CMY	0.3216, 0.0745, 0.2804
CMYK	0.27, 0.00, 0.22, 0.07
HSL	130°, 62%, 80%
HSV	130°, 27%, 93%
XYZ	55.8284, 72.3149, 56.0888
YIQ	211.2350, -20.8560, -29.5280

# Conversions

## Conversions Part 2

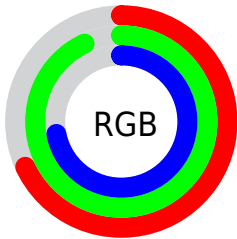
<b>Format</b>	<b>Color</b>
<b>RYB</b>	173, 227, 236
Decimal	11398328
CIELab	88.12, -30.05, 19.19
CIELCh	88, 35.660, 147.439
Yxy	72.3149, 0.3030, 0.3925
Android (android.graphics.Color)	4289588408 (0xFFADEC8)
YUV	211.2350, -13.4269, -33.5321
Hunter-Lab	85.0382, -31.6297, 20.4207

# Details

The RYB color **173, 227, 236** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **236, 173, 226**, and the grayscale version is **211, 211, 211**.

A 20% lighter version of the original color is **230, 248, 255**, and **119, 170, 180** is the 20% darker color. If you saturate the color by 10%, you get **149, 223, 236**, and if you desaturate by 10%, it is **197, 231, 236**.

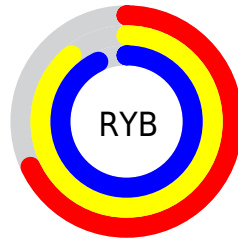
# Distribution



Red (68%)

Green (93%)

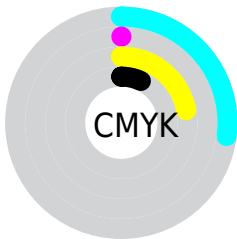
Blue (72%)



Red (68%)

Yellow (89%)

Blue (93%)

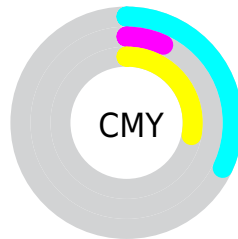


Cyan (27%)

Magenta (0%)

Yellow (22%)

Black (7%)



Cyan (32%)

Magenta (7%)

Yellow (28%)

# Brightness & Saturation Gradients

These gradients show how the RYB color 173, 227, 236 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 173, 227, 236 by changing the saturation by 10% instead.



 173, 227, 236


255, 255, 255


 230, 248, 255

 173, 227, 236

 146, 199, 208

 119, 171, 180

 93, 143, 153

 67, 116, 127

 42, 89, 101

 13, 61, 77

 0, 43, 54

 0, 34, 34

 0, 0, 0

■ 173, 227, 236

■ 173, 227, 236

■ 149, 223, 236

■ 197, 231, 236

■ 126, 221, 236

■ 220, 233, 236

■ 102, 217, 236

■ 244, 236, 243

■ 79, 214, 236

■ 255, 236, 255

■ 55, 210, 236

■ 31, 207, 236

■ 8, 203, 236

■ 0, 203, 236

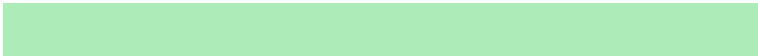
# Harmonies

## Analogous

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



160, 228, 176



173, 227, 236



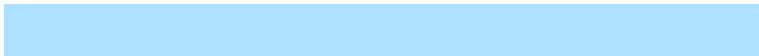
135, 194, 240

# Triad

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



173, 227, 236



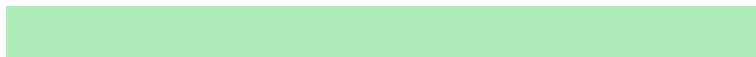
173, 205, 255



255, 199, 191

# Complementary

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



173, 227, 236



236, 173, 226

# 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, 196, 225



173, 227, 236



222, 213, 255

# Square

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



173, 227, 236



128, 186, 255



255, 202, 255



255, 240, 165

# Rectangle

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



173, 227, 236



118, 179, 240



255, 202, 255



255, 196, 202

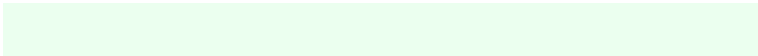


# Sweetspot

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



173, 227, 236



235, 252, 255



173, 236, 183



115, 126, 128



0, 0, 0



128, 128, 128

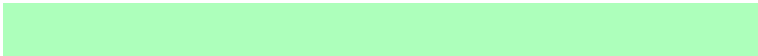


# Same Dimension

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



173, 227, 236



173, 243, 255



173, 211, 236



106, 115, 117



0, 155, 181



0, 46, 54



# Inverse Universe

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



236, 173, 225



255, 173, 241



236, 173, 194



117, 106, 115



181, 0, 151

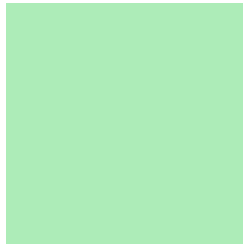


54, 0, 45



# Previews

## White Background



This preview shows how the RYB color 173, 227, 236 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 173, 227, 236 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 173, 227, 236 Background



This preview shows how black text looks on a background with the RYB color 173, 227, 236.

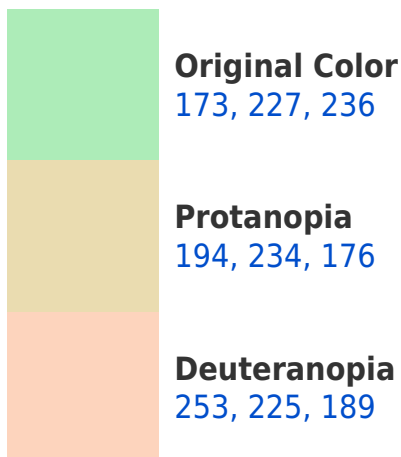


This preview shows how white text looks on a background with the RYB color 173, 227, 236.

# 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





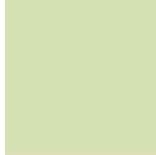
**Tritanopia**  
185, 210, 246

# Trichromacy



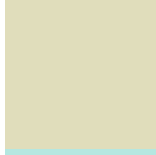
**Original Color**

173, 227, 236



**Protanomaly**

179, 226, 193



**Deuteranomaly**

190, 224, 187



**Tritanomaly**

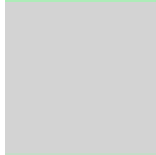
181, 208, 231

# Monochromacy



**Original Color**

173, 227, 236



**Achromatopsia**

211, 211, 211



**Achromatomaly**

197, 217, 220

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 173, 227, 236 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(173, 236, 184)` looks like.

```
.text, #text, p{  
    color:rgb(173, 236, 184)  
}
```

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(173, 236, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 236, 184) }
```

## Border

The CSS property to change the border of an element to RYB 173, 227, 236 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(173, 236, 184) }
```

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

```
.border{ border-color:rgb(173, 236, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(173, 236, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(173, 236, 184); -webkit-box-shadow:4px 4px 4px 4px rgb(173, 236, 184); box-shadow:4px 4px 4px 4px rgb(173, 236, 184) }
```

# Background

The CSS property to change the background color of an element to RYB 173, 227, 236 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 236, 184) }
```

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

```
.background{ background-color: rgb(173,  
236, 184) }
```

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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