

# Converting Colors

`RYB(156, 232, 215)`

Have a look what the booklet for  
RYB(156, 232, 215) contains.

<b>RYB(156, 232, 215)</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(156, 232, 215)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ADE89C
RGB	173, 232, 156
RGB Percent	68%, 91%, 61%
CMY	0.3216, 0.0902, 0.3882
CMYK	0.25, 0.00, 0.33, 0.09
HSL	107°, 62%, 76%
HSV	107°, 33%, 91%
XYZ	52.0909, 68.9978, 42.0249
YIQ	205.6950, -10.7680, -36.1440

# Conversions

## Conversions Part 2

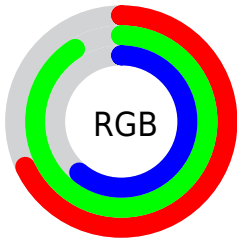
<b>Format</b>	<b>Color</b>
<b>RYB</b>	156, 232, 215
Decimal	11397276
CIELab	86.50, -32.65, 31.11
CIELCh	87, 45.097, 136.378
Yxy	68.9978, 0.3194, 0.4230
Android (android.graphics.Color)	4289587356 (0xFFADE89C)
YUV	205.6950, -24.4996, -28.6735
Hunter-Lab	83.0649, -33.4242, 28.1489

# Details

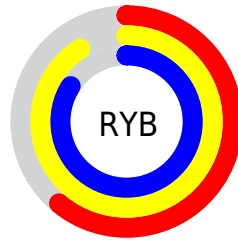
The RYB color **156, 232, 215** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **215, 156, 232**, and the grayscale version is **206, 206, 206**.

A 20% lighter version of the original color is **211, 255, 236**, and **104, 176, 161** is the 20% darker color. If you saturate the color by 10%, you get **133, 232, 210**, and if you desaturate by 10%, it is **179, 232, 220**.

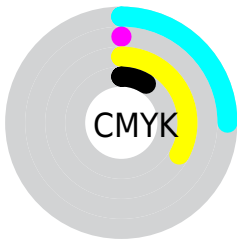
# Distribution



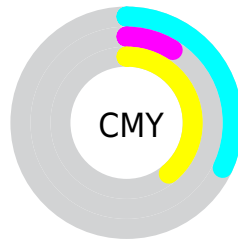
- Red (68%)
- Green (91%)
- Blue (61%)



- Red (61%)
- Yellow (91%)
- Blue (84%)



- Cyan (25%)
- Magenta (0%)
- Yellow (33%)
- Black (9%)



- Cyan (32%)
- Magenta (9%)
- Yellow (39%)

# Brightness & Saturation Gradients

These gradients show how the RYB color 156, 232, 215 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 156, 232, 215 by changing the saturation by 10% instead.



 156, 232, 215

255, 255, 255

 211, 255, 236


 240, 255, 240

 156, 232, 215

 130, 204, 188

 104, 176, 161


 79, 149, 135

 55, 123, 111

 32, 98, 89

 7, 74, 70

 0, 50, 50

 0, 31, 31

 0, 0, 0

 156, 232, 215

 156, 232, 215

 133, 232, 210

 179, 232, 220

 110, 232, 205

 202, 232, 225

 86, 232, 199

 226, 232, 231

 63, 232, 194

 245, 232, 249

 40, 232, 189

 255, 232, 255

 17, 232, 184

 0, 232, 180

# Harmonies

## Analogous

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



133, 221, 133



156, 232, 215



118, 191, 238

# Triad

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



156, 232, 215



120, 179, 255



255, 184, 194

# Complementary

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



156, 232, 215



215, 156, 232

# 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, 185, 238



156, 232, 215



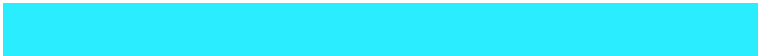
193, 208, 255

# Square

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



156, 232, 215



42, 144, 255



251, 197, 255



255, 215, 156

# Rectangle

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



156, 232, 215



77, 162, 239



251, 197, 255



255, 183, 209

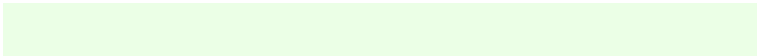


# Sweetspot

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



156, 232, 215



230, 255, 250



180, 232, 156



112, 128, 124



0, 0, 0



128, 128, 128

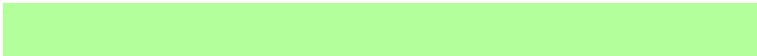


# Same Dimension

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



156, 232, 215



156, 255, 233



156, 216, 232



103, 115, 112



0, 179, 139



0, 51, 40



# Inverse Universe

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



215, 156, 232



233, 156, 255



232, 156, 212



112, 103, 115



139, 0, 179



40, 0, 51



# Previews

## White Background



This preview shows how the RYB color 156, 232, 215 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 156, 232, 215 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

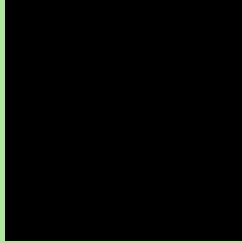
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## RYB 156, 232, 215 Background



This preview shows how black text looks on a background with the RYB color 156, 232, 215.

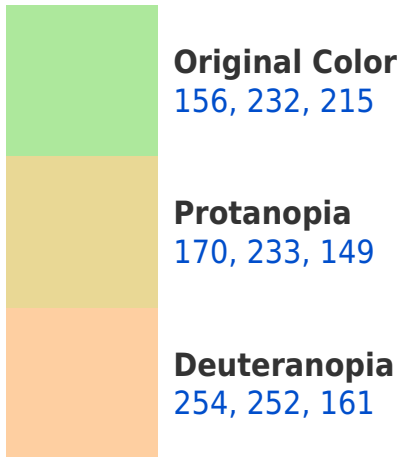


This preview shows how white text looks on a background with the RYB color 156, 232, 215.

# 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**  
187, 208, 239

# Trichromacy



**Original Color**

156, 232, 215



**Protanomaly**

152, 222, 163



**Deuteranomaly**

169, 225, 159



**Tritanomaly**

182, 209, 226

# Monochromacy



**Original Color**

156, 232, 215



**Achromatopsia**

206, 206, 206



**Achromatomaly**

188, 215, 209

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 156, 232, 215 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, 232, 156)` looks like.

```
.text, #text, p{  
    color:rgb(173, 232, 156)  
}
```

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, 232, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 232, 156) }
```

## Border

The CSS property to change the border of an element to RYB 156, 232, 215 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, 232, 156) }
```

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

```
.border{ border-color:rgb(173, 232, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(173, 232, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 232, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 232, 156);  
box-shadow:4px 4px 4px 4px rgb(173, 232,  
156) }
```

# Background

The CSS property to change the background color of an element to RYB 156, 232, 215 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 232, 156) }
```

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

```
.background{ background-color: rgb(173,  
232, 156) }
```

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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