

Converting Colors

`RYB(117, 231, 210)`

Have a look what the booklet for
RYB(117, 231, 210) contains.

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Color

R_YB(117, 231, 210)

Conversions

Conversions Part 1

Format	Color
Hex	8AE775
RGB	138, 231, 117
RGB Percent	54%, 91%, 46%
CMY	0.4588, 0.0941, 0.5412
CMYK	0.40, 0.00, 0.49, 0.09
HSL	109°, 70%, 68%
HSV	109°, 49%, 91%
XYZ	42.2680, 63.8395, 26.9241
YIQ	190.1970, -18.8340, -55.1700

Conversions

Conversions Part 2

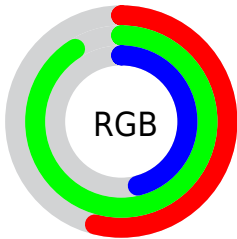
Format	Color
RYB	117, 231, 210
Decimal	9103221
CIELab	83.88, -48.88, 46.68
CIELCh	84, 67.587, 136.320
Yxy	63.8395, 0.3177, 0.4799
Android (android.graphics.Color)	4287293301 (0xFF8AE775)
YUV	190.1970, -36.0861, -45.7768
Hunter-Lab	79.8996, -45.3952, 35.9505

Details

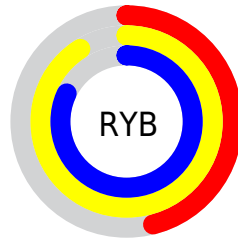
The RYB color **117, 231, 210** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **210, 117, 231**, and the grayscale version is **191, 191, 191**.

A 20% lighter version of the original color is **171, 255, 231**, and **65, 175, 159** is the 20% darker color. If you saturate the color by 10%, you get **94, 231, 206**, and if you desaturate by 10%, it is **140, 231, 214**.

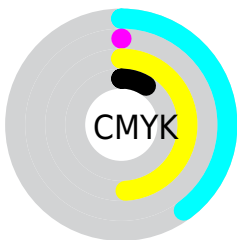
Distribution



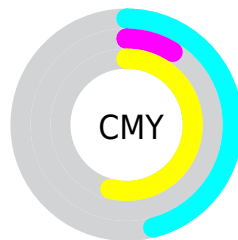
- Red (54%)
- Green (91%)
- Blue (46%)



- Red (46%)
- Yellow (91%)
- Blue (82%)



- Cyan (40%)
- Magenta (0%)
- Yellow (49%)
- Black (9%)



- Cyan (46%)
- Magenta (9%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the RYB color 117, 231, 210 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 117, 231, 210 by changing the saturation by 10% instead.

 117, 231, 210

255, 255, 255


 171, 255, 231


 199, 255, 229

 228, 255, 228

 117, 231, 210

 91, 203, 184

 65, 175, 159

 39, 148, 136

 6, 121, 121

 0, 96, 96

 0, 71, 71

 0, 48, 48

 0, 22, 22

 0, 0, 0

 117, 231, 210

 117, 231, 210

 94, 231, 206

 140, 231, 214

 71, 231, 202

 163, 231, 218

 48, 231, 198

 186, 231, 222

 25, 231, 193

 209, 231, 227

 2, 231, 189

 232, 231, 233

 0, 231, 188

 251, 231, 255

 255, 231, 255

Harmonies

Analogous

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



79, 217, 85



117, 231, 210



0, 137, 239

Triad

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



117, 231, 210



0, 119, 255



255, 154, 177

Complementary

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



117, 231, 210



210, 117, 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, 157, 241



117, 231, 210



160, 190, 255

Square

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



117, 231, 210



0, 123, 255



255, 178, 255



255, 203, 119

Rectangle

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



117, 231, 210



0, 126, 241



255, 178, 255



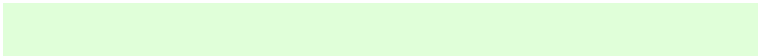
255, 152, 198

Sweetspot

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



117, 231, 210



217, 255, 248



146, 231, 117



105, 128, 124



0, 0, 0



128, 128, 128

Same Dimension

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



117, 231, 210



105, 255, 228



117, 205, 231



103, 115, 113



0, 179, 146



0, 51, 42

Inverse Universe

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



210, 117, 231



227, 105, 255



231, 117, 197



113, 103, 115



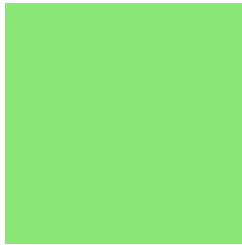
146, 0, 179



42, 0, 51

Previews

White Background



This preview shows how the RYB color 117, 231, 210 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 117, 231, 210 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

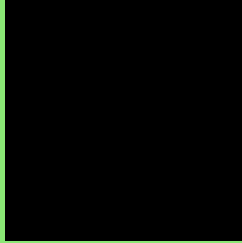
Any Text WCAG AA ✓ Pass

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 117, 231, 210 Background



This preview shows how black text looks on a background with the RYB color 117, 231, 210.

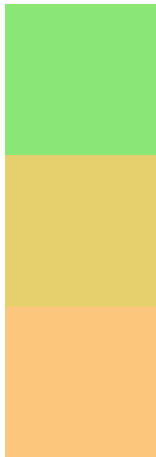


This preview shows how white text looks on a background with the RYB color 117, 231, 210.

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
117, 231, 210

Protanopia
134, 229, 109

Deuteranopia
216, 252, 125



Tritanopia
160, 193, 235

Trichromacy



Original Color

117, 231, 210



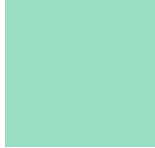
Protanomaly

112, 216, 132



Deuteranomaly

122, 211, 122



Tritanomaly

152, 197, 223

Monochromacy



Original Color

117, 231, 210



Achromatopsia

190, 190, 190



Achromatomaly

163, 205, 197

CSS Examples

Text

The CSS property to change the color of the text to RYB 117, 231, 210 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(138, 231, 117)` looks like.

```
.text, #text, p{  
    color:rgb(138, 231, 117)  
}
```

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(138, 231, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 231, 117) }
```

Border

The CSS property to change the border of an element to RYB 117, 231, 210 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(138, 231, 117) }
```

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

```
.border{ border-color:rgb(138, 231, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 231, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 231, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 231, 117);  
box-shadow:4px 4px 4px 4px rgb(138, 231,  
117) }
```

Background

The CSS property to change the background color of an element to RYB 117, 231, 210 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 231, 117) }
```

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

```
.background{ background-color: rgb(138,  
231, 117) }
```

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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