

Converting Colors

`RYB(110, 230, 182)`

Have a look what the booklet for
RYB(110, 230, 182) contains.

RYB(110, 230, 182)	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(110, 230, 182)

Conversions

Conversions Part 1

Format	Color
Hex	9EE66E
RGB	158, 230, 110
RGB Percent	62%, 90%, 43%
CMY	0.3804, 0.0980, 0.5686
CMYK	0.31, 0.00, 0.52, 0.10
HSL	96°, 71%, 67%
HSV	96°, 52%, 90%
XYZ	45.2118, 64.9885, 24.9130
YIQ	194.7920, -4.3920, -52.5840

Conversions

Conversions Part 2

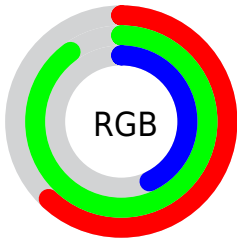
Format	Color
RYB	110, 230, 182
Decimal	10413678
CIELab	84.48, -42.79, 50.91
CIELCh	84, 66.503, 130.043
Yxy	64.9885, 0.3346, 0.4810
Android (android.graphics.Color)	4288603758 (0xFF9EE66E)
YUV	194.7920, -41.8025, -32.2666
Hunter-Lab	80.6155, -40.9683, 38.1081

Details

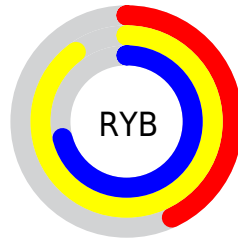
The RYB color **110, 230, 182** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **182, 110, 230**, and the grayscale version is **195, 195, 195**.

A 20% lighter version of the original color is **164, 255, 204**, and **57, 174, 129** is the 20% darker color. If you saturate the color by 10%, you get **87, 230, 173**, and if you desaturate by 10%, it is **133, 230, 191**.

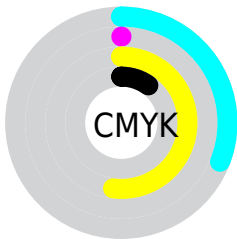
Distribution



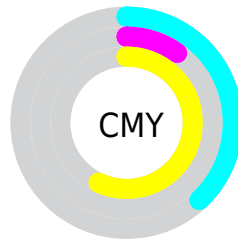
- Red (62%)
- Green (90%)
- Blue (43%)



- Red (43%)
- Yellow (90%)
- Blue (71%)



- Cyan (31%)
- Magenta (0%)
- Yellow (52%)
- Black (10%)



- Cyan (38%)
- Magenta (10%)
- Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the RYB color 110, 230, 182 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 110, 230, 182 by changing the saturation by 10% instead.

 110, 230, 182

255, 255, 255

 164, 255, 204


 192, 255, 202

 221, 255, 221


 250, 255, 250

 110, 230, 182

 84, 202, 156

 57, 174, 129

 29, 147, 101

 0, 121, 76

 0, 95, 89

 0, 71, 71

 0, 48, 48

 0, 24, 24

 0, 0, 0

 110, 230, 182

 110, 230, 182

 87, 230, 173

 133, 230, 191

 64, 230, 164

 156, 230, 200

 41, 230, 154

 179, 230, 210

 18, 230, 145

 202, 230, 219

 0, 230, 138

 225, 230, 228

 241, 230, 248

 255, 230, 255

Harmonies

Analogous

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



92, 226, 79



110, 230, 182



42, 163, 239

Triad

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



110, 230, 182



0, 121, 255



255, 155, 192

Complementary

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



110, 230, 182



182, 110, 230

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, 163, 255



110, 230, 182



136, 182, 255

Square

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



110, 230, 182



0, 123, 255



243, 186, 255



255, 184, 133

Rectangle

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



110, 230, 182



0, 130, 242



243, 186, 255



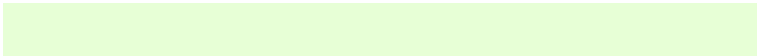
255, 155, 213

Sweetspot

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



110, 230, 182



214, 255, 238



190, 230, 110



103, 128, 118



0, 0, 0



128, 128, 128

Same Dimension

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



110, 230, 182



94, 255, 190



110, 219, 230



103, 115, 110



0, 179, 108



0, 51, 31

Inverse Universe

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



182, 110, 230



191, 94, 255



230, 110, 218



110, 103, 115



107, 0, 179



31, 0, 51

Previews

White Background



This preview shows how the RYB color 110, 230, 182 looks on a white background.

Color Contrast Check

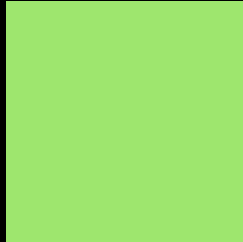
Large Text (above 18pt) WCAG AA × Fail

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 110, 230, 182 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

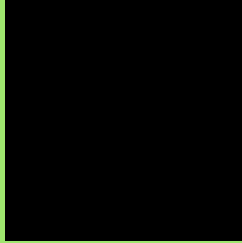
Any Text WCAG AA ✓ Pass

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 110, 230, 182 Background



This preview shows how black text looks on a background with the RYB color 110, 230, 182.

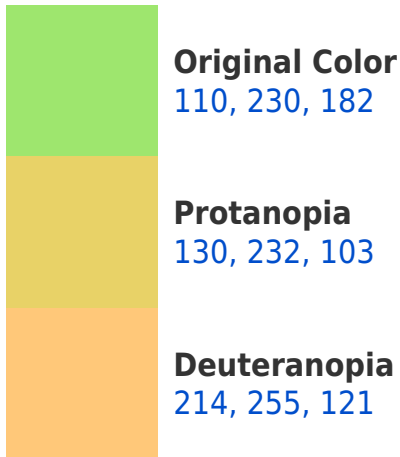


This preview shows how white text looks on a background with the RYB color 110, 230, 182.

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
177, 201, 234

Trichromacy



Original Color

110, 230, 182



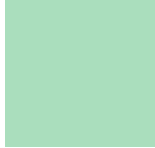
Protanomaly

106, 217, 118



Deuteranomaly

127, 220, 117



Tritanomaly

170, 208, 222

Monochromacy



Original Color

110, 230, 182



Achromatopsia

195, 195, 195



Achromatomaly

164, 208, 190

CSS Examples

Text

The CSS property to change the color of the text to RYB 110, 230, 182 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(158, 230, 110)` looks like.

```
.text, #text, p{  
    color:rgb(158, 230, 110)  
}
```

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(158, 230, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 230, 110) }
```

Border

The CSS property to change the border of an element to RYB 110, 230, 182 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(158, 230, 110) }
```

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

```
.border{ border-color:rgb(158, 230, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 230, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 230, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 230, 110);  
box-shadow:4px 4px 4px 4px rgb(158, 230,  
110) }
```

Background

The CSS property to change the background color of an element to RYB 110, 230, 182 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 230, 110) }
```

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

```
.background{ background-color: rgb(158,  
230, 110) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor