

Converting Colors

`RYB(111, 232, 231)`

Have a look what the booklet for
RYB(111, 232, 231) contains.

RYB(111, 232, 231)	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

$\text{RYB}(111, 232, 231)$

Conversions

Conversions Part 1

Format	Color
Hex	70E86F
RGB	112, 232, 111
RGB Percent	44%, 91%, 44%
CMY	0.5608, 0.0902, 0.5647
CMYK	0.52, 0.00, 0.52, 0.09
HSL	120°, 72%, 67%
HSV	120°, 52%, 91%
XYZ	38.4079, 62.3057, 25.0408
YIQ	182.3260, -32.6790, -63.0710

Conversions

Conversions Part 2

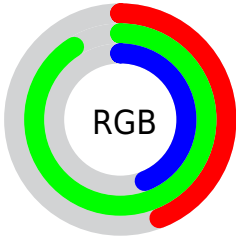
Format	Color
RYB	111, 232, 231
Decimal	7399535
CIELab	83.08, -57.39, 48.29
CIELCh	83, 75.004, 139.927
Yxy	62.3057, 0.3054, 0.4955
Android (android.graphics.Color)	4285589615 (0xFF70E86F)
YUV	182.3260, -35.1637, -61.6759
Hunter-Lab	78.9339, -51.2792, 36.4447

Details

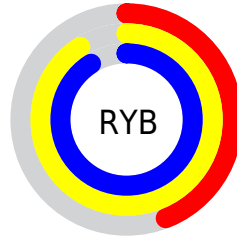
The RYB color **111, 232, 231** is a light color, and the websafe version is hex **66CC66**. A complement of this color would be **231, 111, 232**, and the grayscale version is **183, 183, 183**.

A 20% lighter version of the original color is **165, 255, 249**, and **46, 163, 175** is the 20% darker color. If you saturate the color by 10%, you get **88, 232, 231**, and if you desaturate by 10%, it is **134, 232, 231**.

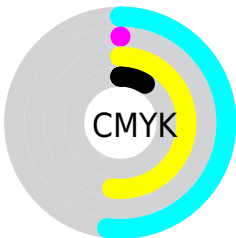
Distribution



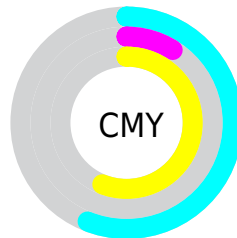
- Red (44%)
- Green (91%)
- Blue (44%)



- Red (44%)
- Yellow (91%)
- Blue (91%)



- Cyan (52%)
- Magenta (0%)
- Yellow (52%)
- Black (9%)




- Cyan (56%)
- Magenta (9%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the RYB color 111, 232, 231 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 111, 232, 231 by changing the saturation by 10% instead.


 111, 232, 231

 111, 232, 231

255, 255, 255


 81, 199, 203

 165, 255, 249

 46, 163, 175


 193, 255, 247

 0, 122, 148

 221, 255, 245


 0, 121, 121

 251, 255, 251

 0, 95, 95

 0, 70, 70

 0, 48, 48

 0, 19, 19

 0, 0, 0

■ 111, 232, 231

■ 111, 232, 231

■ 88, 232, 231

■ 134, 232, 231

■ 65, 232, 231

■ 157, 232, 231

■ 41, 232, 230

■ 181, 232, 232

■ 18, 232, 230

■ 204, 232, 232

■ 0, 232, 230

■ 227, 232, 232

■ 250, 232, 250

■ 255, 232, 255

Harmonies

Analogous

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



60, 218, 79



111, 232, 231



0, 136, 239

Triad

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



111, 232, 231



0, 119, 255



255, 144, 163

Complementary

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



111, 232, 231



231, 111, 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, 144, 234



111, 232, 231



164, 189, 255

Square

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



111, 232, 231



0, 123, 255



255, 168, 255



255, 218, 100

Rectangle

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



111, 232, 231



0, 124, 241



255, 168, 255



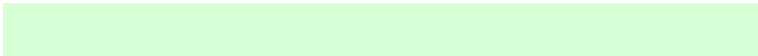
255, 141, 186

Sweetspot

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



111, 232, 231



214, 255, 254



113, 232, 111



103, 128, 128



0, 0, 0



128, 128, 128

Same Dimension

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



111, 232, 231



94, 255, 253



111, 193, 232



103, 115, 115



0, 179, 178



0, 51, 51

Inverse Universe

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



231, 111, 232



254, 94, 255



232, 111, 174



115, 103, 115



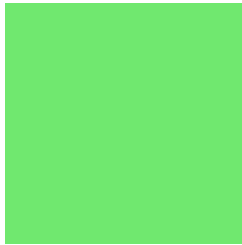
177, 0, 179



51, 0, 51

Previews

White Background



This preview shows how the RYB color 111, 232, 231 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 111, 232, 231 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 111, 232, 231 Background



This preview shows how black text looks on a background with the RYB color 111, 232, 231.

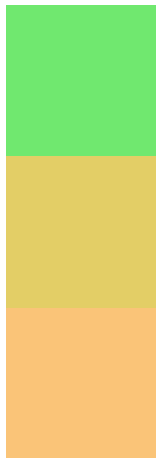


This preview shows how white text looks on a background with the RYB color 111, 232, 231.

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
111, 232, 231

Protanopia
127, 227, 102

Deuteranopia
212, 250, 120



Tritanopia
139, 183, 236

Trichromacy



Original Color

111, 232, 231



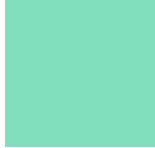
Protanomaly

105, 215, 135



Deuteranomaly

117, 209, 126



Tritanomaly

129, 186, 223

Monochromacy



Original Color

111, 232, 231



Achromatopsia

182, 182, 182



Achromatomaly

156, 200, 199

CSS Examples

Text

The CSS property to change the color of the text to RYB 111, 232, 231 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(112, 232, 111)` looks like.

```
.text, #text, p{  
    color:rgb(112, 232, 111)  
}
```

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(112, 232, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 232, 111) }
```

Border

The CSS property to change the border of an element to RYB 111, 232, 231 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(112, 232, 111) }
```

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

```
.border{ border-color:rgb(112, 232, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 232, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 232, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 232, 111);  
box-shadow:4px 4px 4px 4px rgb(112, 232,  
111) }
```

Background

The CSS property to change the background color of an element to RYB 111, 232, 231 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 232, 111) }
```

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

```
.background{ background-color: rgb(112,  
232, 111) }
```

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