

Converting Colors

`RYB(120, 238, 231)`

Have a look what the booklet for
RYB(120, 238, 231) contains.

RYB(120, 238, 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

R_YB(120, 238, 231)

Conversions

Conversions Part 1

Format	Color
Hex	7FEE78
RGB	127, 238, 120
RGB Percent	50%, 93%, 47%
CMY	0.5020, 0.0667, 0.5294
CMYK	0.47, 0.00, 0.50, 0.07
HSL	116°, 78%, 70%
HSV	116°, 50%, 93%
XYZ	42.7171, 67.0172, 28.4535
YIQ	191.3590, -28.2780, -60.2300

Conversions

Conversions Part 2

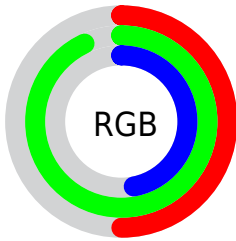
Format	Color
RYB	120, 238, 231
Decimal	8384120
CIELab	85.51, -54.56, 47.16
CIElCh	86, 72.115, 139.164
Yxy	67.0172, 0.3091, 0.4850
Android (android.graphics.Color)	4286574200 (0xFF7FEE78)
YUV	191.3590, -35.1800, -56.4428
Hunter-Lab	81.8640, -50.1197, 36.6974

Details

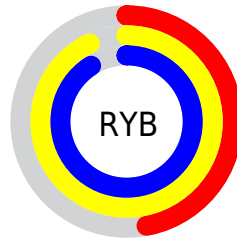
The RYB color **120, 238, 231** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **231, 120, 238**, and the grayscale version is **192, 192, 192**.

A 20% lighter version of the original color is **174, 255, 244**, and **67, 180, 181** is the 20% darker color. If you saturate the color by 10%, you get **96, 238, 229**, and if you desaturate by 10%, it is **144, 238, 233**.

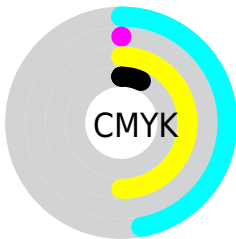
Distribution



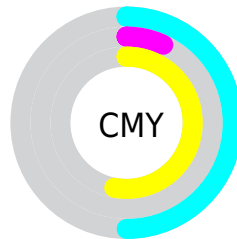
- Red (50%)
- Green (93%)
- Blue (47%)



- Red (47%)
- Yellow (93%)
- Blue (91%)



- Cyan (47%)
- Magenta (0%)
- Yellow (50%)
- Black (7%)



- Cyan (50%)
- Magenta (7%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the RYB color 120, 238, 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 120, 238, 231 by changing the saturation by 10% instead.

 120, 238, 231

255, 255, 255


 174, 255, 244


 202, 255, 242


 231, 255, 241

 120, 238, 231

 94, 209, 205

 67, 180, 181

 29, 143, 154

 0, 118, 127

 0, 101, 101

 0, 76, 76

 0, 52, 52

 0, 28, 28

 0, 0, 0

 120, 238, 231

 120, 238, 231


 96, 238, 229

 144, 238, 233

 72, 238, 228

 168, 238, 234

 49, 238, 227

 191, 238, 235

 25, 238, 226

 215, 238, 236

 1, 238, 224

 239, 238, 239

 0, 238, 224

 255, 238, 255

Harmonies

Analogous

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



74, 224, 90



120, 238, 231



0, 140, 246

Triad

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



120, 238, 231



0, 120, 255



255, 154, 173

Complementary

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



120, 238, 231



231, 120, 238

Split Complementary

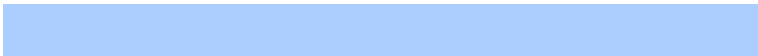
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



255, 155, 241



120, 238, 231



172, 196, 255

Square

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



120, 238, 231



0, 124, 255



255, 177, 255



255, 225, 112

Rectangle

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



120, 238, 231



0, 127, 247



255, 177, 255



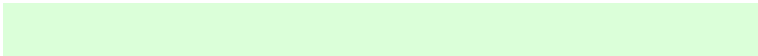
255, 151, 195

Sweetspot

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



120, 238, 231



217, 255, 253



129, 238, 120



105, 128, 127



0, 0, 0



128, 128, 128

Same Dimension

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



120, 238, 231



105, 255, 247



120, 202, 238



108, 120, 119



0, 184, 173



0, 56, 53

Inverse Universe

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



231, 120, 238



246, 105, 255



238, 120, 187



119, 108, 120



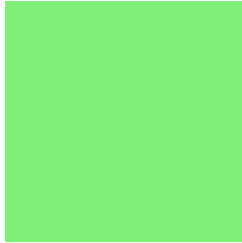
173, 0, 184



53, 0, 56

Previews

White Background



This preview shows how the RYB color 120, 238, 231 looks on a white background.

Color Contrast Check

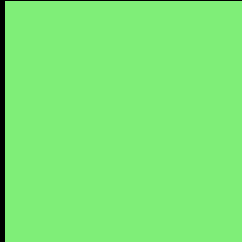
Large Text (above 18pt) WCAG AA × Fail

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 120, 238, 231 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

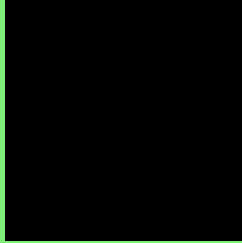
Any Text WCAG AA ✓ Pass

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 120, 238, 231 Background



This preview shows how black text looks on a background with the RYB color 120, 238, 231.

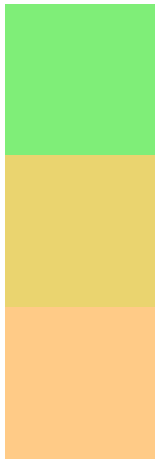


This preview shows how white text looks on a background with the RYB color 120, 238, 231.

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
120, 238, 231

Protanopia
138, 234, 111

Deuteranopia
227, 255, 135



Tritanopia
152, 192, 243

Trichromacy



Original Color

120, 238, 231



Protanomaly

114, 221, 140



Deuteranomaly

130, 216, 138



Tritanomaly

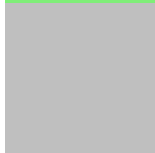
143, 195, 229

Monochromacy



Original Color

120, 238, 231



Achromatopsia

191, 191, 191



Achromatomaly

165, 208, 205

CSS Examples

Text

The CSS property to change the color of the text to RYB 120, 238, 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(127, 238, 120)` looks like.

```
.text, #text, p{  
    color:rgb(127, 238, 120)  
}
```

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(127, 238, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 238, 120) }
```

Border

The CSS property to change the border of an element to RYB 120, 238, 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(127, 238, 120) }
```

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

```
.border{ border-color:rgb(127, 238, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 238, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 238, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 238, 120);  
box-shadow:4px 4px 4px 4px rgb(127, 238,  
120) }
```

Background

The CSS property to change the background color of an element to RYB 120, 238, 231 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 238, 120) }
```

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

```
.background{ background-color: rgb(127,  
238, 120) }
```

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