

Converting Colors

`RYB(120, 238, 191)`

Have a look what the booklet for
RYB(120, 238, 191) contains.

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Color

R_YB(120, 238, 191)

Conversions

Conversions Part 1

Format	Color
Hex	A7EE78
RGB	167, 238, 120
RGB Percent	65%, 93%, 47%
CMY	0.3451, 0.0667, 0.5294
CMYK	0.30, 0.00, 0.50, 0.07
HSL	96°, 78%, 70%
HSV	96°, 50%, 93%
XYZ	49.9011, 70.7206, 28.7897
YIQ	203.3190, -4.4380, -51.7500

Conversions

Conversions Part 2

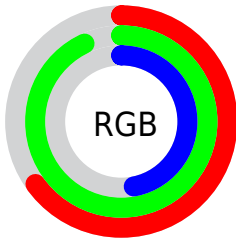
Format	Color
RYB	120, 238, 191
Decimal	11005560
CIELab	87.35, -42.11, 49.82
CIELCh	87, 65.232, 130.205
Yxy	70.7206, 0.3340, 0.4733
Android (android.graphics.Color)	4289195640 (0xFFA7EE78)
YUV	203.3190, -41.0763, -31.8518
Hunter-Lab	84.0956, -41.2480, 38.5693

Details

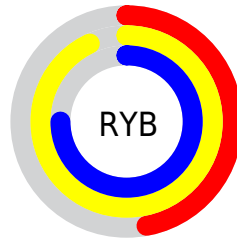
The RYB color **120, 238, 191** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **191, 120, 238**, and the grayscale version is **204, 204, 204**.

A 20% lighter version of the original color is **174, 255, 204**, and **67, 182, 138** is the 20% darker color. If you saturate the color by 10%, you get **96, 238, 181**, and if you desaturate by 10%, it is **144, 238, 201**.

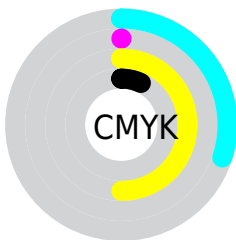
Distribution



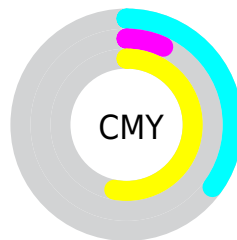
- Red (65%)
- Green (93%)
- Blue (47%)



- Red (47%)
- Yellow (93%)
- Blue (75%)



- Cyan (30%)
- Magenta (0%)
- Yellow (50%)
- Black (7%)



- Cyan (35%)
- Magenta (7%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the RYB color 120, 238, 191 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, 191 by changing the saturation by 10% instead.

 120, 238, 191

255, 255, 255


 174, 255, 204


 203, 255, 204


 231, 255, 231

 120, 238, 191

 94, 209, 164

 67, 182, 138


 41, 154, 111

 7, 128, 79

 0, 102, 79

 0, 78, 78

 0, 54, 54

 0, 33, 33

 0, 0, 0

 120, 238, 191

 120, 238, 191


 96, 238, 181

 144, 238, 201

 72, 238, 172

 168, 238, 210

 49, 238, 163

 191, 238, 219

 25, 238, 153

 215, 238, 229

 1, 238, 144

 239, 238, 239

 0, 238, 143

 253, 238, 255

 255, 238, 255

Harmonies

Analogous

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



103, 234, 90



120, 238, 191



64, 178, 247

Triad

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



120, 238, 191



0, 123, 255



255, 165, 200

Complementary

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



120, 238, 191



191, 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, 172, 255



120, 238, 191



149, 191, 255

Square

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



120, 238, 191



0, 125, 255



251, 194, 255



255, 195, 142

Rectangle

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



120, 238, 191



0, 134, 250



251, 194, 255



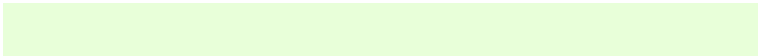
255, 165, 221

Sweetspot

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



120, 238, 191



217, 255, 240



198, 238, 120



105, 128, 119



0, 0, 0



128, 128, 128

Same Dimension

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



120, 238, 191



105, 255, 196



120, 227, 238



108, 120, 115



0, 184, 111



0, 56, 34

Inverse Universe

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



191, 120, 238



195, 105, 255



238, 120, 226



115, 108, 120



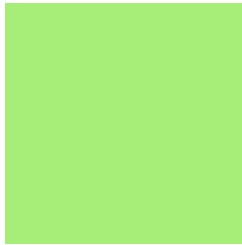
110, 0, 184



34, 0, 56

Previews

White Background



This preview shows how the RYB color 120, 238, 191 looks on a white background.

Color Contrast Check

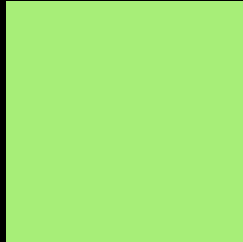
Large Text (above 18pt) WCAG AA × Fail

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, 191 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, 191 Background



This preview shows how black text looks on a background with the RYB color 120, 238, 191.

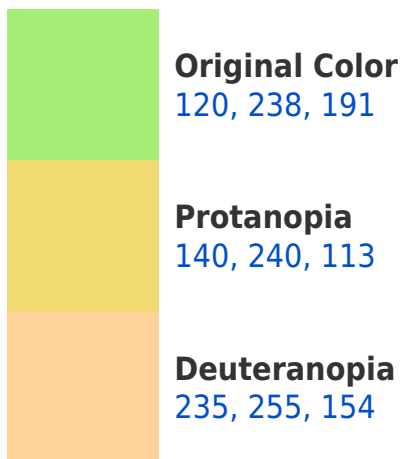


This preview shows how white text looks on a background with the RYB color 120, 238, 191.

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
186, 209, 242

Trichromacy



Original Color

120, 238, 191



Protanomaly

116, 225, 128



Deuteranomaly

145, 223, 142



Tritanomaly

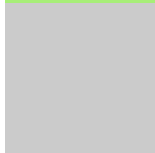
179, 215, 229

Monochromacy



Original Color

120, 238, 191



Achromatopsia

203, 203, 203



Achromatomaly

173, 216, 199

CSS Examples

Text

The CSS property to change the color of the text to RYB 120, 238, 191 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(167, 238, 120)` looks like.

```
.text, #text, p{  
    color:rgb(167, 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(167, 238, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 238, 120) }
```

Border

The CSS property to change the border of an element to RYB 120, 238, 191 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(167, 238, 120) }
```

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

```
.border{ border-color:rgb(167, 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(167, 238, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(167, 238, 120); -webkit-box-shadow:4px 4px 4px 4px rgb(167, 238, 120); box-shadow:4px 4px 4px 4px rgb(167, 238, 120) }
```

Background

The CSS property to change the background color of an element to RYB 120, 238, 191 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 238, 120) }
```

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

```
.background{ background-color: rgb(167,  
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](#).

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