

Converting Colors

`RYB(121, 236, 229)`

Have a look what the booklet for
RYB(121, 236, 229) contains.

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Color

R_YB(121, 236, 229)

Conversions

Conversions Part 1

Format	Color
Hex	80EC79
RGB	128, 236, 121
RGB Percent	50%, 93%, 47%
CMY	0.4980, 0.0745, 0.5255
CMYK	0.46, 0.00, 0.49, 0.07
HSL	116°, 75%, 70%
HSV	116°, 49%, 93%
XYZ	42.3487, 65.9606, 28.5888
YIQ	190.5980, -27.4530, -58.6610

Conversions

Conversions Part 2

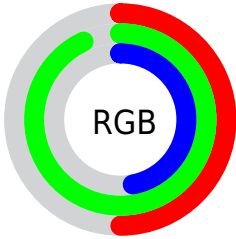
Format	Color
RYB	121, 236, 229
Decimal	8449145
CIELab	84.98, -53.35, 46.03
CIELCh	85, 70.464, 139.215
Yxy	65.9606, 0.3093, 0.4818
Android (android.graphics.Color)	4286639225 (0xFF80EC79)
YUV	190.5980, -34.3118, -54.8984
Hunter-Lab	81.2161, -49.0525, 35.9807

Details

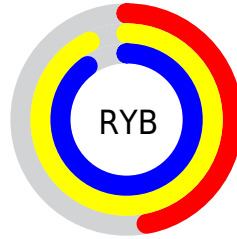
The RYB color **121, 236, 229** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **229, 121, 236**, and the grayscale version is **191, 191, 191**.

A 20% lighter version of the original color is **175, 255, 244**, and **68, 178, 179** is the 20% darker color. If you saturate the color by 10%, you get **97, 236, 227**, and if you desaturate by 10%, it is **145, 236, 231**.

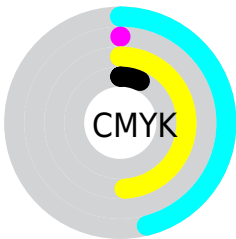
Distribution



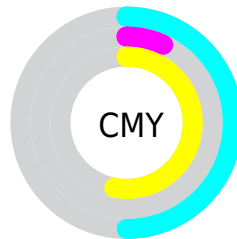
- Red (50%)
- Green (93%)
- Blue (47%)



- Red (47%)
- Yellow (93%)
- Blue (90%)



- Cyan (46%)
- Magenta (0%)
- Yellow (49%)
- Black (7%)



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

Brightness & Saturation Gradients

These gradients show how the RYB color 121, 236, 229 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 121, 236, 229 by changing the saturation by 10% instead.

 121, 236, 229

255, 255, 255


 175, 255, 244


 203, 255, 242


 232, 255, 241

 121, 236, 229

 95, 207, 203

 68, 178, 179

 32, 142, 152

 0, 113, 125

 0, 99, 99

 0, 74, 74

 0, 51, 51

 0, 26, 26

 0, 0, 0

 121, 236, 229

 121, 236, 229

 97, 236, 227

 145, 236, 231

 74, 236, 226

 168, 236, 232

 50, 236, 224

 192, 236, 234

 27, 236, 224

 215, 236, 234

 3, 236, 222

 239, 236, 239

 0, 236, 222

 255, 236, 255

Harmonies

Analogous

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



77, 222, 92



121, 236, 229



0, 138, 243

Triad

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



121, 236, 229



0, 120, 255



255, 155, 172

Complementary

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



121, 236, 229



229, 121, 236

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, 239



121, 236, 229



172, 195, 255

Square

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



121, 236, 229



0, 124, 255



255, 177, 255



255, 223, 113

Rectangle

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



121, 236, 229



0, 126, 245



255, 177, 255



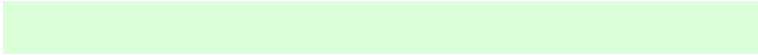
255, 152, 194

Sweetspot

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



121, 236, 229



217, 255, 253



130, 236, 121



105, 128, 127



0, 0, 0



128, 128, 128

Same Dimension

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



121, 236, 229



107, 255, 246



121, 201, 236



106, 117, 117



0, 181, 170



0, 54, 51

Inverse Universe

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



229, 121, 236



246, 107, 255



236, 121, 186



117, 106, 117



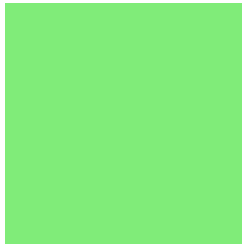
170, 0, 181



50, 0, 54

Previews

White Background



This preview shows how the RYB color 121, 236, 229 looks on a white background.

Color Contrast Check

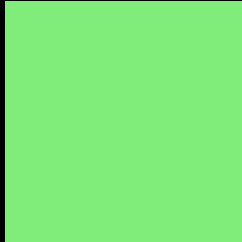
Large Text (above 18pt) WCAG AA × Fail

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 121, 236, 229 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

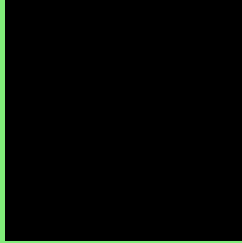
Any Text WCAG AA ✓ Pass

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 121, 236, 229 Background



This preview shows how black text looks on a background with the RYB color 121, 236, 229.

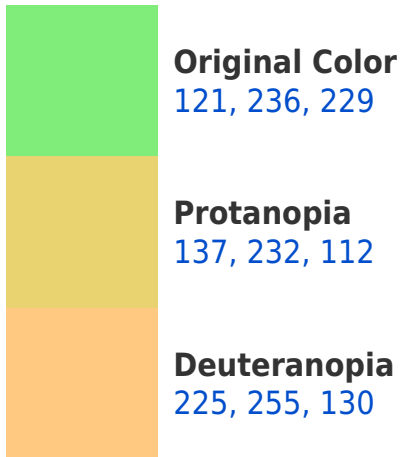



This preview shows how white text looks on a background with the RYB color 121, 236, 229.

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
152, 191, 241

Trichromacy



Original Color

121, 236, 229



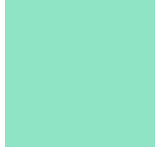
Protanomaly

115, 220, 141



Deuteranomaly

127, 214, 132



Tritanomaly

143, 195, 228

Monochromacy



Original Color

121, 236, 229



Achromatopsia

191, 191, 191



Achromatomaly

166, 207, 205

CSS Examples

Text

The CSS property to change the color of the text to RYB 121, 236, 229 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(128, 236, 121)` looks like.

```
.text, #text, p{  
    color:rgb(128, 236, 121)  
}
```

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(128, 236, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 236, 121) }
```

Border

The CSS property to change the border of an element to RYB 121, 236, 229 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(128, 236, 121) }
```

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

```
.border{ border-color:rgb(128, 236, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 236, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 236, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 236, 121);  
box-shadow:4px 4px 4px 4px rgb(128, 236,  
121) }
```

Background

The CSS property to change the background color of an element to RYB 121, 236, 229 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 236, 121) }
```

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

```
.background{ background-color: rgb(128,  
236, 121) }
```

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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