

Converting Colors

`RYB(121, 252, 228)`

Have a look what the booklet for
RYB(121, 252, 228) contains.

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Color

R_YB(121, 252, 228)

Conversions

Conversions Part 1

Format	Color
Hex	91FC79
RGB	145, 252, 121
RGB Percent	57%, 99%, 47%
CMY	0.4314, 0.0118, 0.5255
CMYK	0.42, 0.00, 0.52, 0.01
HSL	109°, 96%, 73%
HSV	109°, 52%, 99%
XYZ	49.9386, 77.0210, 30.3237
YIQ	205.0730, -21.7210, -63.4250

Conversions

Conversions Part 2

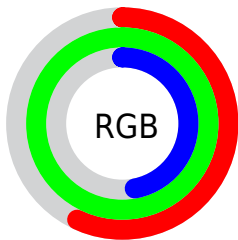
Format	Color
RYB	121, 252, 228
Decimal	9567353
CIELab	90.33, -54.86, 52.72
CIElCh	90, 76.088, 136.140
Yxy	77.0210, 0.3175, 0.4897
Android (android.graphics.Color)	4287757433 (0xFF91FC79)
YUV	205.0730, -41.4480, -52.6840
Hunter-Lab	87.7616, -52.0117, 40.9471

Details

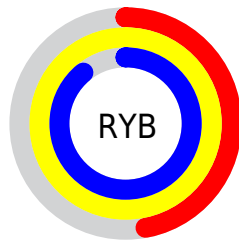
The RYB color **121, 252, 228** is a light color, and the websafe version is hex **99FF66**. A complement of this color would be **228, 121, 252**, and the grayscale version is **205, 205, 205**.

A 20% lighter version of the original color is **176, 255, 227**, and **68, 195, 177** is the 20% darker color. If you saturate the color by 10%, you get **96, 252, 224**, and if you desaturate by 10%, it is **146, 252, 232**.

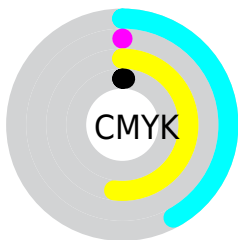
Distribution



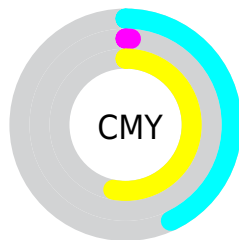
- Red (57%)
- Green (99%)
- Blue (47%)



- Red (47%)
- Yellow (99%)
- Blue (89%)



- Cyan (42%)
- Magenta (0%)
- Yellow (52%)
- Black (1%)



- Cyan (43%)
- Magenta (1%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the RYB color 121, 252, 228 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, 252, 228 by changing the saturation by 10% instead.

 121, 252, 228

255, 255, 255


 176, 255, 227


 204, 255, 225

 233, 255, 233


 121, 252, 228


 94, 223, 201

 68, 195, 177

 40, 167, 153

 2, 139, 140

 0, 113, 113

 0, 88, 88

 0, 63, 63

 0, 41, 41

 0, 2, 2

■ 121, 252, 228

■ 121, 252, 228

■ 96, 252, 224

■ 146, 252, 232

■ 71, 252, 219

■ 171, 252, 237

■ 45, 252, 214

■ 197, 252, 242

■ 20, 252, 209

■ 222, 252, 247

■ 0, 252, 206

■ 247, 252, 251

■ 255, 252, 255

Harmonies

Analogous

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



75, 236, 82



121, 252, 228



0, 146, 255

Triad

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



121, 252, 228



0, 125, 255



255, 162, 191

Complementary

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



121, 252, 228



228, 121, 252

Split Complementary

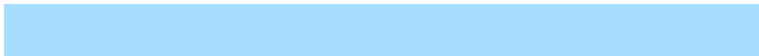
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



255, 166, 255



121, 252, 228



167, 201, 255

Square

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



121, 252, 228



0, 128, 255



255, 191, 255



255, 230, 125

Rectangle

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



121, 252, 228



0, 131, 255



255, 191, 255



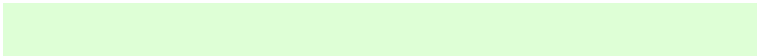
255, 160, 215

Sweetspot

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



121, 252, 228



214, 255, 247



150, 252, 121



103, 128, 123



0, 0, 0



128, 128, 128

Same Dimension

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



121, 252, 228



97, 255, 226



121, 221, 252



112, 125, 122



0, 189, 154



0, 61, 50

Inverse Universe

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



228, 121, 252



226, 97, 255



252, 121, 211



123, 112, 125



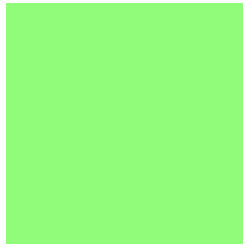
154, 0, 189



50, 0, 61

Previews

White Background



This preview shows how the RYB color 121, 252, 228 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, 252, 228 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

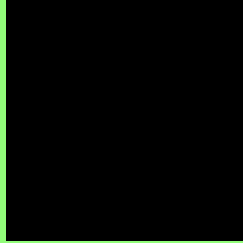
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

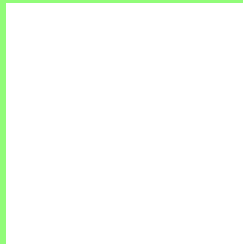
Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

RYB 121, 252, 228 Background



This preview shows how black text looks on a background with the RYB color 121, 252, 228.

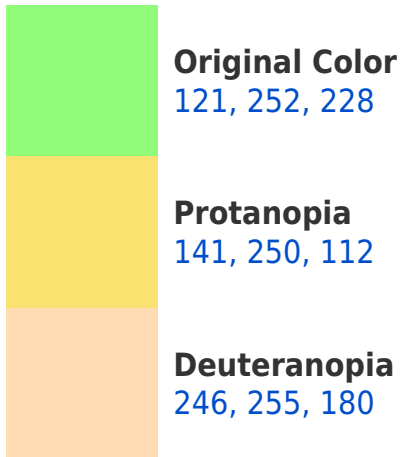


This preview shows how white text looks on a background with the RYB color 121, 252, 228.

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





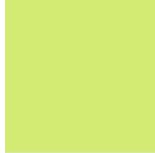
Tritanopia
173, 209, 255

Trichromacy



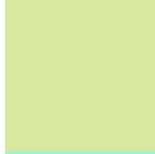
Original Color

121, 252, 228



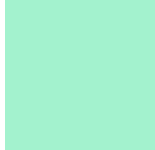
Protanomaly

115, 235, 138



Deuteranomaly

159, 232, 176



Tritanomaly

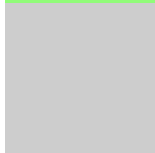
163, 214, 242

Monochromacy



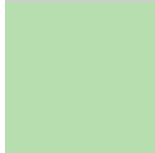
Original Color

121, 252, 228



Achromatopsia

205, 205, 205



Achromatomaly

174, 222, 213

CSS Examples

Text

The CSS property to change the color of the text to RYB 121, 252, 228 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(145, 252, 121)` looks like.

```
.text, #text, p{  
    color:rgb(145, 252, 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(145, 252, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 252, 121) }
```

Border

The CSS property to change the border of an element to RYB 121, 252, 228 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(145, 252, 121) }
```

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

```
.border{ border-color:rgb(145, 252, 121) }
```

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

Here you see how a box with a 4 pixel rgb(145, 252, 121) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 252, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 252, 121);  
box-shadow:4px 4px 4px 4px rgb(145, 252,  
121) }
```

Background

The CSS property to change the background color of an element to RYB 121, 252, 228 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 252, 121) }
```

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

```
.background{ background-color: rgb(145,  
252, 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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