

Converting Colors

`RYB(128, 255, 232)`

Have a look what the booklet for
RYB(128, 255, 232) contains.

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Color

R_YB(128, 255, 232)

Conversions

Conversions Part 1

Format	Color
Hex	97FF80
RGB	151, 255, 128
RGB Percent	59%, 100%, 50%
CMY	0.4078, 0.0000, 0.4980
CMYK	0.41, 0.00, 0.50, 0.00
HSL	109°, 100%, 75%
HSV	109°, 50%, 100%
XYZ	52.4188, 79.6578, 33.0348
YIQ	209.4260, -21.2170, -61.5450

Conversions

Conversions Part 2

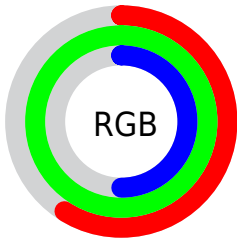
Format	Color
RYB	128, 255, 232
Decimal	9961344
CIELab	91.53, -53.46, 51.01
CIElCh	92, 73.892, 136.346
Yxy	79.6578, 0.3175, 0.4824
Android (android.graphics.Color)	4288151424 (0xFF97FF80)
YUV	209.4260, -40.1430, -51.2396
Hunter-Lab	89.2512, -51.3535, 40.5307

Details

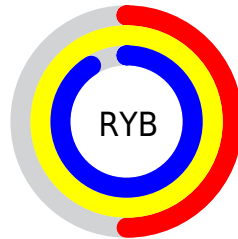
The RYB color **128, 255, 232** is a light color, and the websafe version is hex **99FF66**. A complement of this color would be **232, 128, 255**, and the grayscale version is **210, 210, 210**.

A 20% lighter version of the original color is **183, 255, 228**, and **75, 197, 179** is the 20% darker color. If you saturate the color by 10%, you get **103, 255, 228**, and if you desaturate by 10%, it is **154, 255, 237**.

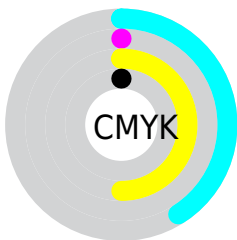
Distribution



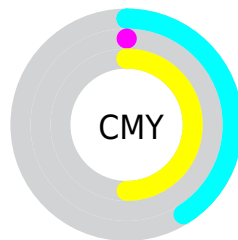
- Red (59%)
- Green (100%)
- Blue (50%)



- Red (50%)
- Yellow (100%)
- Blue (91%)



- Cyan (41%)
- Magenta (0%)
- Yellow (50%)
- Black (0%)



- Cyan (41%)
- Magenta (0%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the RYB color 128, 255, 232 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 128, 255, 232 by changing the saturation by 10% instead.

 128, 255, 232

255, 255, 255


 183, 255, 228


 211, 255, 227


 240, 255, 240


 128, 255, 232

 101, 226, 205

 75, 197, 179

 48, 170, 156


 17, 143, 137

 0, 116, 116

 0, 91, 91

 0, 66, 66

 0, 44, 44

 0, 10, 10

■ 128, 255, 232

■ 128, 255, 232

■ 103, 255, 228

■ 154, 255, 237

■ 77, 255, 223

■ 179, 255, 241

■ 51, 255, 218

■ 205, 255, 246

■ 26, 255, 214

■ 230, 255, 250

■ 0, 255, 208

255, 255, 255

■ 0, 255, 209

Harmonies

Analogous

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



85, 239, 91



128, 255, 232



0, 145, 255

Triad

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



128, 255, 232



0, 126, 255



255, 169, 195

Complementary

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



128, 255, 232



232, 128, 255

Split Complementary

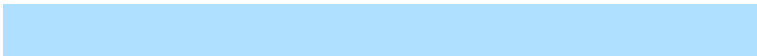
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



255, 172, 255



128, 255, 232



176, 206, 255

Square

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



128, 255, 232



0, 128, 255



255, 196, 255



255, 236, 131

Rectangle

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



128, 255, 232



0, 130, 255



255, 196, 255



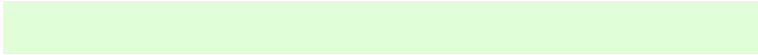
255, 167, 218

Sweetspot

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



128, 255, 232



217, 255, 248



156, 255, 128



105, 128, 124



0, 0, 0



128, 128, 128

Same Dimension

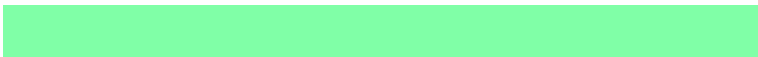
The Same Dimension uses a secret algorithm to generate beautiful new colors.



128, 255, 232



102, 255, 227



128, 225, 255



115, 128, 126



0, 191, 156



0, 64, 52

Inverse Universe

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



232, 128, 255



227, 102, 255



255, 128, 215



125, 115, 128



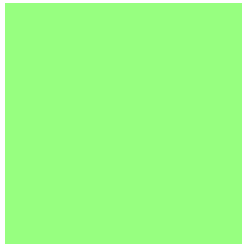
157, 0, 191



52, 0, 64

Previews

White Background



This preview shows how the RYB color 128, 255, 232 looks on a white background.

Color Contrast Check

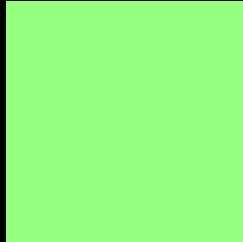
Large Text (above 18pt) WCAG AA × Fail

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 128, 255, 232 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

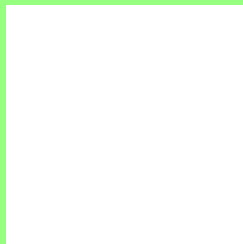
Any Text WCAG AAA ✓ Pass

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

RYB 128, 255, 232 Background



This preview shows how black text looks on a background with the RYB color 128, 255, 232.

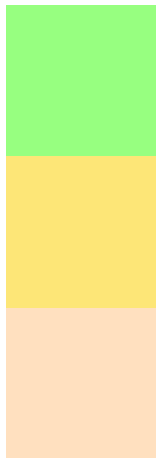


This preview shows how white text looks on a background with the RYB color 128, 255, 232.

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
128, 255, 232

Protanopia
147, 253, 119

Deuteranopia
251, 255, 191



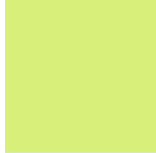
Tritanopia
185, 215, 255

Trichromacy



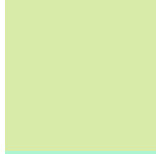
Original Color

128, 255, 232



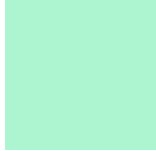
Protanomaly

122, 239, 145



Deuteranomaly

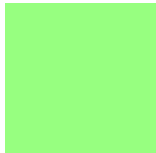
168, 235, 186



Tritanomaly

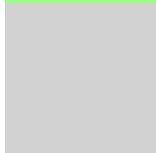
173, 221, 245

Monochromacy



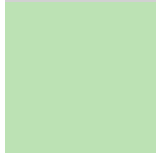
Original Color

128, 255, 232



Achromatopsia

209, 209, 209



Achromatomaly

180, 226, 218

CSS Examples

Text

The CSS property to change the color of the text to RYB 128, 255, 232 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(151, 255, 128)` looks like.

```
.text, #text, p{  
    color:rgb(151, 255, 128)  
}
```

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(151, 255, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 255, 128) }
```

Border

The CSS property to change the border of an element to RYB 128, 255, 232 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(151, 255, 128) }
```

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

```
.border{ border-color:rgb(151, 255, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 255, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 255, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 255, 128);  
box-shadow:4px 4px 4px 4px rgb(151, 255,  
128) }
```

Background

The CSS property to change the background color of an element to RYB 128, 255, 232 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 255, 128) }
```

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

```
.background{ background-color: rgb(151,  
255, 128) }
```

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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