

Converting Colors

`RYB(103, 254, 231)`

Have a look what the booklet for
RYB(103, 254, 231) contains.

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Color

R_YB(103, 254, 231)

Conversions

Conversions Part 1

Format	Color
Hex	7EFE67
RGB	126, 254, 103
RGB Percent	49%, 100%, 40%
CMY	0.5059, 0.0039, 0.5961
CMYK	0.50, 0.00, 0.59, 0.00
HSL	111°, 99%, 70%
HSV	111°, 59%, 100%
XYZ	46.4942, 76.2985, 25.1086
YIQ	198.5140, -27.8170, -74.0970

Conversions

Conversions Part 2

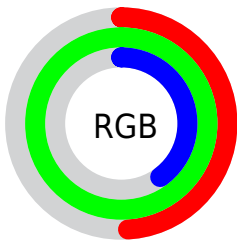
Format	Color
RYB	103, 254, 231
Decimal	8322663
CIELab	90.00, -62.92, 60.11
CIELCh	90, 87.020, 136.310
Yxy	76.2985, 0.3144, 0.5159
Android (android.graphics.Color)	4286512743 (0xFF7EFE67)
YUV	198.5140, -47.0884, -63.5948
Hunter-Lab	87.3490, -57.8487, 44.1014

Details

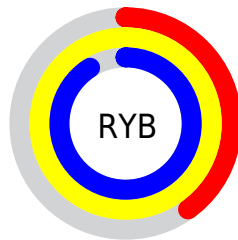
The RYB color **103, 254, 231** is a light color, and the websafe version is hex **66FF66**. A complement of this color would be **231, 103, 254**, and the grayscale version is **199, 199, 199**.

A 20% lighter version of the original color is **158, 255, 226**, and **46, 196, 182** is the 20% darker color. If you saturate the color by 10%, you get **78, 254, 228**, and if you desaturate by 10%, it is **128, 254, 234**.

Distribution



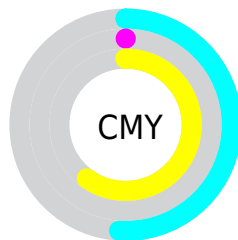
- Red (49%)
- Green (100%)
- Blue (40%)



- Red (40%)
- Yellow (100%)
- Blue (91%)



- Cyan (50%)
- Magenta (0%)
- Yellow (59%)
- Black (0%)



- Cyan (51%)
- Magenta (0%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the RYB color 103, 254, 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 103, 254, 231 by changing the saturation by 10% instead.

 103, 254, 231

255, 255, 255

 158, 255, 226


 187, 255, 225

 215, 255, 222

 245, 255, 245


 103, 254, 231


 75, 225, 205

 46, 196, 182

 1, 163, 168

 0, 141, 141

 0, 114, 114

 0, 88, 88

 0, 64, 64

 0, 40, 40

 0, 0, 0

■ 103, 254, 231

■ 103, 254, 231

■ 78, 254, 228

■ 128, 254, 234

■ 52, 254, 223

■ 154, 254, 239

■ 27, 254, 220

■ 179, 254, 242

■ 1, 254, 215

■ 205, 254, 247

■ 0, 254, 215

■ 230, 254, 250

255, 254, 255

Harmonies

Analogous

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



38, 236, 49



103, 254, 231



0, 148, 255

Triad

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



103, 254, 231



0, 125, 255



255, 147, 184

Complementary

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



103, 254, 231



231, 103, 254

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, 151, 255



103, 254, 231



147, 191, 255

Square

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



103, 254, 231



0, 128, 255



255, 184, 255



255, 228, 108

Rectangle

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



103, 254, 231



0, 131, 255



255, 184, 255



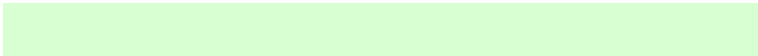
255, 144, 212

Sweetspot

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



103, 254, 231



209, 255, 248



133, 254, 103



99, 128, 123



0, 0, 0



128, 128, 128

Same Dimension

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



103, 254, 231



74, 255, 227



103, 216, 254



115, 128, 126



0, 191, 162



0, 64, 54

Inverse Universe

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



231, 103, 254



227, 74, 255



254, 103, 204



126, 115, 128



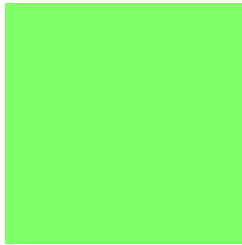
162, 0, 191



54, 0, 64

Previews

White Background



This preview shows how the RYB color 103, 254, 231 looks on a white background.

Color Contrast Check

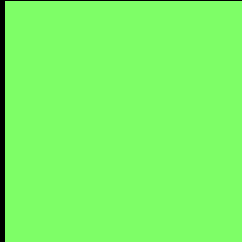
Large Text (above 18pt) WCAG AA × Fail

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 103, 254, 231 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

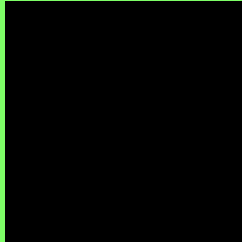
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

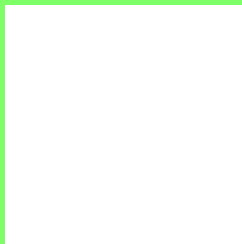
Any Text WCAG AAA ✓ Pass

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

RYB 103, 254, 231 Background



This preview shows how black text looks on a background with the RYB color 103, 254, 231.

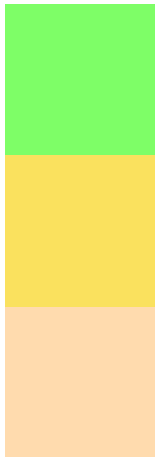


This preview shows how white text looks on a background with the RYB color 103, 254, 231.

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
103, 254, 231

Protanopia
124, 250, 94

Deuteranopia
239, 255, 174



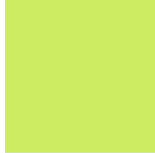
Tritanopia
163, 204, 255

Trichromacy



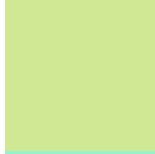
Original Color

103, 254, 231



Protanomaly

97, 236, 128



Deuteranomaly

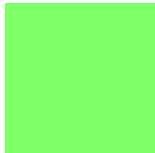
148, 232, 172



Tritanomaly

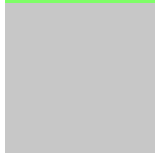
150, 210, 243

Monochromacy



Original Color

103, 254, 231



Achromatopsia

199, 199, 199



Achromatomaly

164, 219, 211

CSS Examples

Text

The CSS property to change the color of the text to RYB 103, 254, 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(126, 254, 103)` looks like.

```
.text, #text, p{  
    color:rgb(126, 254, 103)  
}
```

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(126, 254, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 254, 103) }
```

Border

The CSS property to change the border of an element to RYB 103, 254, 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(126, 254, 103) }
```

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

```
.border{ border-color:rgb(126, 254, 103) }
```

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

Here you see how a box with a 4 pixel rgb(126, 254, 103) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 254, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 254, 103);  
box-shadow:4px 4px 4px 4px rgb(126, 254,  
103) }
```

Background

The CSS property to change the background color of an element to RYB 103, 254, 231 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 254, 103) }
```

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

```
.background{ background-color: rgb(126,  
254, 103) }
```

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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