

Converting Colors

`RYB(109, 251, 234)`

Have a look what the booklet for
RYB(109, 251, 234) contains.

RYB(109, 251, 234)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

R_YB(109, 251, 234)

Conversions

Conversions Part 1

Format	Color
Hex	7EFB6D
RGB	126, 251, 109
RGB Percent	49%, 98%, 43%
CMY	0.5059, 0.0157, 0.5725
CMYK	0.50, 0.00, 0.57, 0.02
HSL	113°, 95%, 71%
HSV	113°, 57%, 98%
XYZ	45.8617, 74.5341, 26.4374
YIQ	197.4370, -28.9180, -70.6620

Conversions

Conversions Part 2

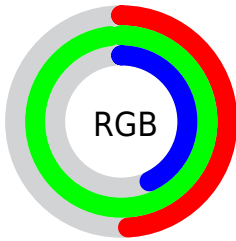
Format	Color
RYB	109, 251, 234
Decimal	8321901
CIELab	89.17, -61.17, 56.56
CIELCh	89, 83.312, 137.240
Yxy	74.5341, 0.3123, 0.5076
Android (android.graphics.Color)	4286511981 (0xFF7EFB6D)
YUV	197.4370, -43.5994, -62.6502
Hunter-Lab	86.3331, -56.2607, 42.2771

Details

The RYB color **109, 251, 234** is a light color, and the websafe version is hex **99FF66**. A complement of this color would be **234, 109, 251**, and the grayscale version is **198, 198, 198**.

A 20% lighter version of the original color is **164, 255, 233**, and **54, 193, 186** is the 20% darker color. If you saturate the color by 10%, you get **84, 251, 231**, and if you desaturate by 10%, it is **134, 251, 237**.

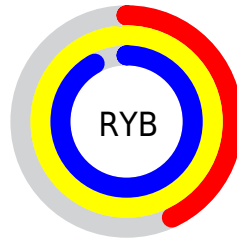
Distribution



Red (49%)

Green (98%)

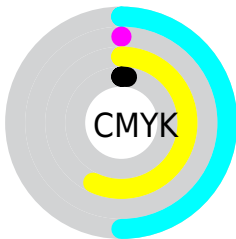
Blue (43%)



Red (43%)

Yellow (98%)

Blue (92%)

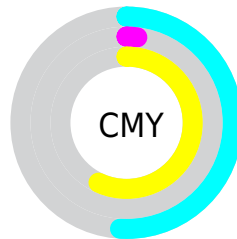


Cyan (50%)

Magenta (0%)

Yellow (57%)

Black (2%)



Cyan (51%)

Magenta (2%)

Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the RYB color 109, 251, 234 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 109, 251, 234 by changing the saturation by 10% instead.

 109, 251, 234

255, 255, 255

 164, 255, 233


 192, 255, 231

 221, 255, 229

 250, 255, 250


 109, 251, 234

 82, 222, 209

 54, 193, 186

 9, 154, 166

 0, 138, 138

 0, 112, 112

 0, 86, 86

 0, 61, 61

 0, 38, 38

 0, 0, 0

■ 109, 251, 234

■ 109, 251, 234

■ 84, 251, 231

■ 134, 251, 237

■ 59, 251, 228

■ 159, 251, 240

■ 34, 251, 225

■ 184, 251, 243

■ 9, 251, 222

■ 209, 251, 246

■ 0, 251, 221

■ 234, 251, 249

■ 255, 251, 255

Harmonies

Analogous

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



51, 234, 64



109, 251, 234



0, 147, 255

Triad

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



109, 251, 234



0, 124, 255



255, 150, 182

Complementary

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



109, 251, 234



234, 109, 251

Split Complementary

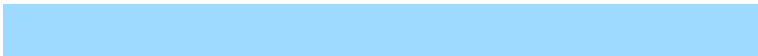
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



255, 153, 255



109, 251, 234



158, 195, 255

Square

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



109, 251, 234



0, 128, 255



255, 183, 255



255, 229, 109

Rectangle

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



109, 251, 234



0, 131, 255



255, 183, 255



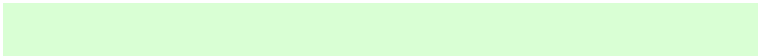
255, 147, 208

Sweetspot

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



109, 251, 234



212, 255, 250



131, 251, 109



102, 128, 125



0, 0, 0



128, 128, 128

Same Dimension

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



109, 251, 234



82, 255, 235



109, 213, 251



112, 125, 123



0, 189, 166



0, 61, 54

Inverse Universe

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



234, 109, 251



234, 82, 255



251, 109, 199



123, 112, 125



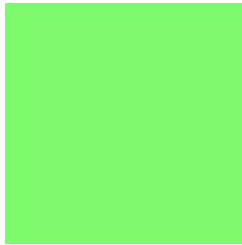
166, 0, 189



54, 0, 61

Previews

White Background



This preview shows how the RYB color 109, 251, 234 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 109, 251, 234 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

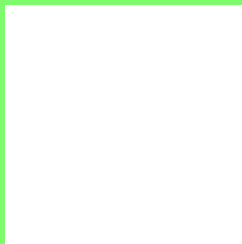
Any Text WCAG AAA ✓ Pass

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

RYB 109, 251, 234 Background



This preview shows how black text looks on a background with the RYB color 109, 251, 234.

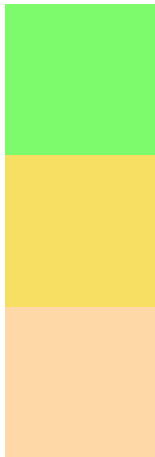


This preview shows how white text looks on a background with the RYB color 109, 251, 234.

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
109, 251, 234

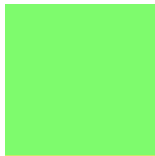
Protanopia
129, 247, 100

Deuteranopia
237, 255, 167



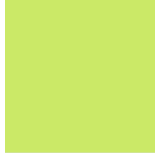
Tritanopia
155, 200, 255

Trichromacy



Original Color

109, 251, 234



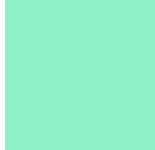
Protanomaly

103, 233, 133



Deuteranomaly

146, 229, 167



Tritanomaly

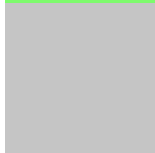
144, 205, 241

Monochromacy



Original Color

109, 251, 234



Achromatopsia

197, 197, 197



Achromatomaly

165, 217, 211

CSS Examples

Text

The CSS property to change the color of the text to RYB 109, 251, 234 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, 251, 109)` looks like.

```
.text, #text, p{  
    color:rgb(126, 251, 109)  
}
```

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, 251, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 251, 109) }
```

Border

The CSS property to change the border of an element to RYB 109, 251, 234 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, 251, 109) }
```

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

```
.border{ border-color:rgb(126, 251, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(126, 251, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 251, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 251, 109);  
box-shadow:4px 4px 4px 4px rgb(126, 251,  
109) }
```

Background

The CSS property to change the background color of an element to RYB 109, 251, 234 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 251, 109) }
```

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

```
.background{ background-color: rgb(126,  
251, 109) }
```

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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