

Converting Colors

`RYB(118, 237, 236)`

Have a look what the booklet for
RYB(118, 237, 236) contains.

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Color

R_YB(118, 237, 236)

Conversions

Conversions Part 1

Format	Color
Hex	77ED76
RGB	119, 237, 118
RGB Percent	47%, 93%, 46%
CMY	0.5333, 0.0706, 0.5373
CMYK	0.50, 0.00, 0.50, 0.07
HSL	119°, 77%, 70%
HSV	119°, 50%, 93%
XYZ	41.1620, 65.7983, 27.6704
YIQ	188.1520, -32.1290, -62.0250

Conversions

Conversions Part 2

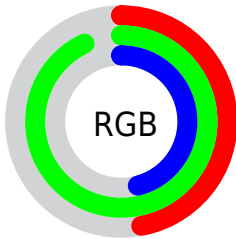
Format	Color
RYB	118, 237, 236
Decimal	7859574
CIELab	84.89, -56.60, 47.27
CIElCh	85, 73.742, 140.130
Yxy	65.7983, 0.3057, 0.4887
Android (android.graphics.Color)	4286049654 (0xFF77ED76)
YUV	188.1520, -34.5849, -60.6463
Hunter-Lab	81.1162, -51.3744, 36.5562

Details

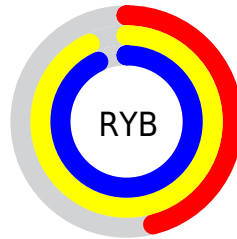
The RYB color **118, 237, 236** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **236, 118, 237**, and the grayscale version is **189, 189, 189**.

A 20% lighter version of the original color is **172, 255, 249**, and **56, 171, 180** is the 20% darker color. If you saturate the color by 10%, you get **94, 237, 236**, and if you desaturate by 10%, it is **142, 237, 236**.

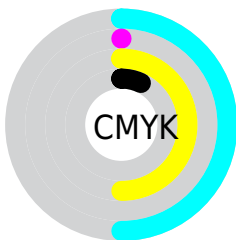
Distribution



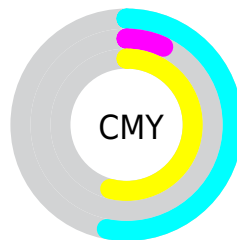
- Red (47%)
- Green (93%)
- Blue (46%)



- Red (46%)
- Yellow (93%)
- Blue (93%)



- Cyan (50%)
- Magenta (0%)
- Yellow (50%)
- Black (7%)



- Cyan (53%)
- Magenta (7%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the RYB color 118, 237, 236 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 118, 237, 236 by changing the saturation by 10% instead.

 118, 237, 236

255, 255, 255


 172, 255, 249

 200, 255, 247

 229, 255, 246

 118, 237, 236

 89, 205, 208

 56, 171, 180

 3, 124, 153

 0, 120, 126

 0, 100, 100

 0, 75, 75

 0, 51, 51

 0, 26, 26

 0, 0, 0

 118, 237, 236

 118, 237, 236

 94, 237, 236

 142, 237, 236

 71, 237, 236

 165, 237, 236

 47, 237, 236

 189, 237, 236

 23, 237, 235

 213, 237, 237

 0, 237, 235

 236, 237, 236

 255, 237, 255

Harmonies

Analogous

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



69, 223, 88



118, 237, 236



0, 138, 244

Triad

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



118, 237, 236



0, 120, 255



255, 151, 168

Complementary

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



118, 237, 236



236, 118, 237

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, 238



118, 237, 236



172, 195, 255

Square

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



118, 237, 236



0, 124, 255



255, 174, 255



255, 226, 107

Rectangle

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



118, 237, 236



0, 126, 246



255, 174, 255



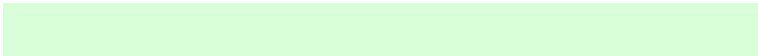
255, 148, 191

Sweetspot

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



118, 237, 236



217, 255, 255



120, 237, 118



105, 128, 128



0, 0, 0



128, 128, 128

Same Dimension

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



118, 237, 236



102, 255, 254



118, 198, 237



106, 117, 117



0, 181, 179



0, 54, 54

Inverse Universe

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



236, 118, 237



254, 102, 255



237, 118, 179



117, 106, 117



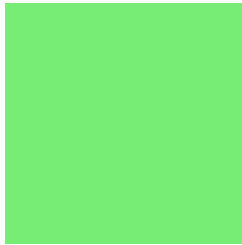
180, 0, 181



53, 0, 54

Previews

White Background



This preview shows how the RYB color 118, 237, 236 looks on a white background.

Color Contrast Check

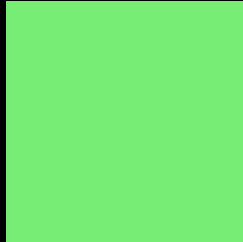
Large Text (above 18pt) WCAG AA × Fail

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 118, 237, 236 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 118, 237, 236 Background



This preview shows how black text looks on a background with the RYB color 118, 237, 236.

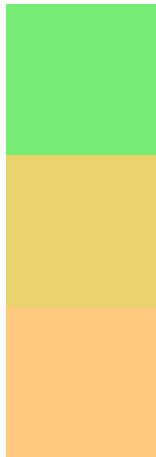


This preview shows how white text looks on a background with the RYB color 118, 237, 236.

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
118, 237, 236

Protanopia
134, 232, 109

Deuteranopia
222, 255, 128



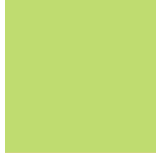
Tritanopia
145, 188, 241

Trichromacy



Original Color

118, 237, 236



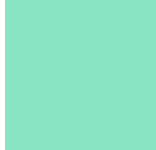
Protanomaly

112, 220, 141



Deuteranomaly

124, 214, 132



Tritanomaly

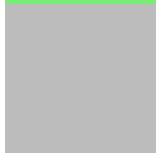
136, 192, 228

Monochromacy



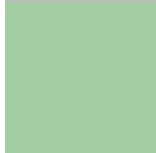
Original Color

118, 237, 236



Achromatopsia

188, 188, 188



Achromatomaly

163, 206, 206

CSS Examples

Text

The CSS property to change the color of the text to RYB 118, 237, 236 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(119, 237, 118)` looks like.

```
.text, #text, p{  
    color:rgb(119, 237, 118)  
}
```

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(119, 237, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 237, 118) }
```

Border

The CSS property to change the border of an element to RYB 118, 237, 236 is called "border". The border property can be set on classes, ids or directly on the HTML element.

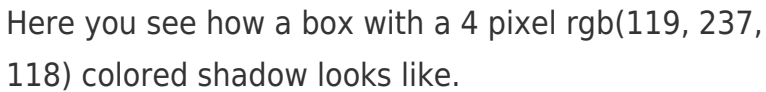
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(119, 237, 118) }
```

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

```
.border{ border-color:rgb(119, 237, 118) }
```

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



Here you see how a box with a 4 pixel rgb(119, 237, 118) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 237, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 237, 118);  
box-shadow:4px 4px 4px 4px rgb(119, 237,  
118) }
```

Background

The CSS property to change the background color of an element to RYB 118, 237, 236 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 237, 118) }
```

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

```
.background{ background-color: rgb(119,  
237, 118) }
```

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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