

Converting Colors

`RYB(126, 236, 177)`

Have a look what the booklet for
RYB(126, 236, 177) contains.

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Color

R_YB(126, 236, 177)

Conversions

Conversions Part 1

Format	Color
Hex	B9EC7E
RGB	185, 236, 126
RGB Percent	73%, 93%, 49%
CMY	0.2745, 0.0745, 0.5059
CMYK	0.22, 0.00, 0.47, 0.07
HSL	88°, 74%, 71%
HSV	88°, 47%, 93%
XYZ	53.7689, 71.8116, 30.7658
YIQ	208.2110, 4.9140, -45.0220

Conversions

Conversions Part 2

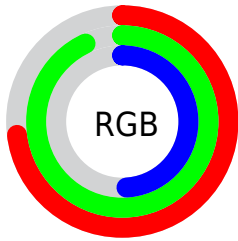
Format	Color
RYB	126, 236, 177
Decimal	12184702
CIELab	87.88, -34.22, 47.86
CIELCh	88, 58.838, 125.569
Yxy	71.8116, 0.3439, 0.4593
Android (android.graphics.Color)	4290374782 (0xFFB9EC7E)
YUV	208.2110, -40.5300, -20.3560
Hunter-Lab	84.7417, -35.0390, 37.7938

Details

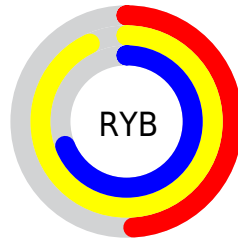
The RYB color **126, 236, 177** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **177, 126, 236**, and the grayscale version is **209, 209, 209**.

A 20% lighter version of the original color is **180, 255, 192**, and **74, 180, 124** is the 20% darker color. If you saturate the color by 10%, you get **102, 236, 164**, and if you desaturate by 10%, it is **150, 236, 190**.

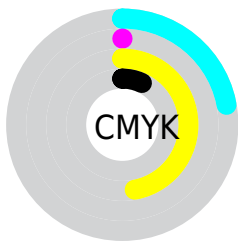
Distribution



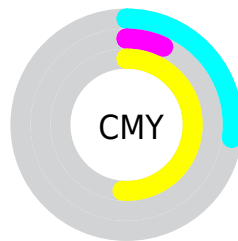
- Red (73%)
- Green (93%)
- Blue (49%)



- Red (49%)
- Yellow (93%)
- Blue (69%)



- Cyan (22%)
- Magenta (0%)
- Yellow (47%)
- Black (7%)



- Cyan (27%)
- Magenta (7%)
- Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the RYB color 126, 236, 177 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 126, 236, 177 by changing the saturation by 10% instead.

 126, 236, 177

255, 255, 255


 180, 255, 192


 209, 255, 209

 237, 255, 237


 126, 236, 177

 100, 208, 151

 74, 180, 124


 48, 153, 98

 19, 127, 70

 0, 101, 52

 0, 77, 54

 0, 54, 54

 0, 34, 34

 0, 0, 0

 126, 236, 177

 126, 236, 177

 102, 236, 164

 150, 236, 190

 79, 236, 152

 173, 236, 202

 55, 236, 139

 197, 236, 215


 32, 236, 127

 220, 236, 227

 8, 236, 114

 240, 236, 244

 0, 236, 109

 251, 236, 255

 255, 236, 255

Harmonies

Analogous

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



133, 244, 105



126, 236, 177



109, 202, 245

Triad

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



126, 236, 177



0, 123, 255



255, 173, 212

Complementary

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



126, 236, 177



177, 126, 236

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, 182, 255



126, 236, 177



145, 191, 255

Square

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



126, 236, 177



0, 125, 255



239, 202, 255



255, 190, 158

Rectangle

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



126, 236, 177



0, 135, 249



239, 202, 255



255, 174, 231

Sweetspot

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



126, 236, 177



219, 255, 236



236, 218, 126



106, 128, 117



0, 0, 0



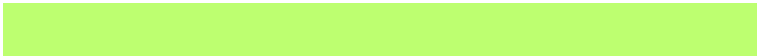
128, 128, 128

Same Dimension

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



126, 236, 177



112, 255, 178



126, 236, 230



106, 117, 111



0, 181, 84



0, 54, 25

Inverse Universe

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



177, 126, 236



178, 112, 255



230, 126, 236



111, 106, 117



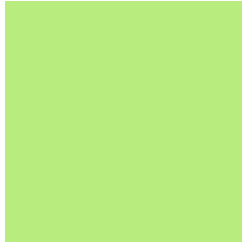
84, 0, 181



25, 0, 54

Previews

White Background



This preview shows how the RYB color 126, 236, 177 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 126, 236, 177 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 126, 236, 177 Background



This preview shows how black text looks on a background with the RYB color 126, 236, 177.

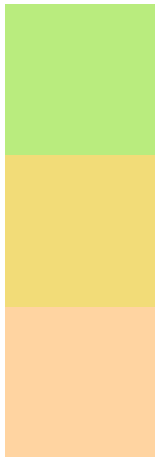


This preview shows how white text looks on a background with the RYB color 126, 236, 177.

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
126, 236, 177

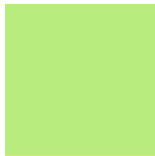
Protanopia
147, 242, 120

Deuteranopia
240, 255, 161

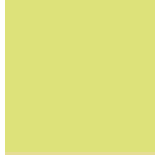


Tritanopia
201, 215, 241

Trichromacy



Original Color
126, 236, 177



Protanomaly
122, 226, 127



Deuteranomaly
158, 230, 148



Tritanomaly
195, 224, 228

Monochromacy



Original Color
126, 236, 177



Achromatopsia
208, 208, 208



Achromatomaly
178, 218, 196

CSS Examples

Text

The CSS property to change the color of the text to RYB 126, 236, 177 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(185, 236, 126)` looks like.

```
.text, #text, p{  
    color:rgb(185, 236, 126)  
}
```

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(185, 236, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 236, 126) }
```

Border

The CSS property to change the border of an element to RYB 126, 236, 177 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(185, 236, 126) }
```

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

```
.border{ border-color:rgb(185, 236, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(185, 236, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 236, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 236, 126);  
box-shadow:4px 4px 4px 4px rgb(185, 236,  
126) }
```

Background

The CSS property to change the background color of an element to RYB 126, 236, 177 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 236, 126) }
```

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

```
.background{ background-color: rgb(185,  
236, 126) }
```

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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