

Converting Colors

`RYB(127, 207, 236)`

Have a look what the booklet for
RYB(127, 207, 236) contains.

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Color

R_YB(127, 207, 236)

Conversions

Conversions Part 1

Format	Color
Hex	7FECA7
RGB	127, 236, 167
RGB Percent	50%, 93%, 65%
CMY	0.5020, 0.0745, 0.3470
CMYK	0.46, 0.00, 0.29, 0.07
HSL	142°, 74%, 71%
HSV	142°, 46%, 93%
XYZ	45.6779, 67.2750, 46.9013
YIQ	195.5430, -42.8150, -44.5670

Conversions

Conversions Part 2

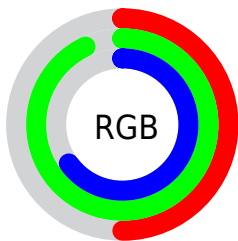
Format	Color
RYB	127, 207, 236
Decimal	8383655
CIELab	85.64, -46.47, 24.20
CIElCh	86, 52.394, 152.489
Yxy	67.2750, 0.2857, 0.4209
Android (android.graphics.Color)	4286573735 (0xFF7FECA7)
YUV	195.5430, -14.0717, -60.1122
Hunter-Lab	82.0213, -44.1301, 23.5118

Details

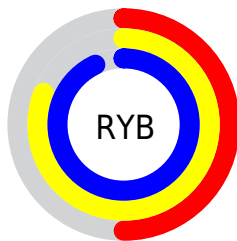
The RYB color **127, 207, 236** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **236, 127, 196**, and the grayscale version is **196, 196, 196**.

A 20% lighter version of the original color is **185, 231, 255**, and **69, 147, 179** is the 20% darker color. If you saturate the color by 10%, you get **103, 201, 236**, and if you desaturate by 10%, it is **151, 213, 236**.

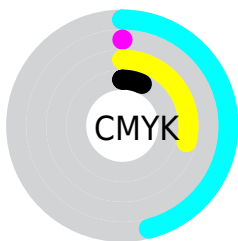
Distribution



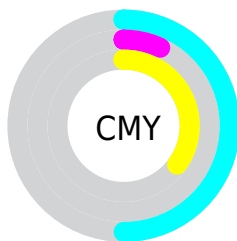
- Red (50%)
- Green (93%)
- Blue (65%)



- Red (50%)
- Yellow (81%)
- Blue (93%)



- Cyan (46%)
- Magenta (0%)
- Yellow (29%)
- Black (7%)



- Cyan (50%)
- Magenta (7%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the RYB color 127, 207, 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 127, 207, 236 by changing the saturation by 10% instead.

 127, 207, 236


255, 255, 255


 185, 231, 255


 214, 236, 255

 244, 250, 255

 127, 207, 236

 98, 177, 207

 69, 147, 179

 34, 114, 152

 0, 83, 126

 0, 70, 100

 0, 59, 75

 0, 51, 51


 0, 28, 28


 0, 0, 0

 127, 207, 236


 127, 207, 236

 103, 201, 236


 151, 213, 236


 80, 195, 236

 174, 219, 236

 56, 188, 236

 198, 226, 236

 33, 182, 236

 221, 232, 236

 9, 176, 236

 245, 236, 242

 0, 173, 236

 255, 236, 255

Harmonies

Analogous

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



128, 227, 166



127, 207, 236



3, 128, 240

Triad

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



127, 207, 236



142, 187, 255



255, 182, 163

Complementary

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



127, 207, 236



236, 127, 196

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, 174, 212



127, 207, 236



224, 200, 255

Square

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



127, 207, 236



0, 121, 255



255, 182, 255



240, 255, 127

Rectangle

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



127, 207, 236



0, 122, 250



255, 182, 255



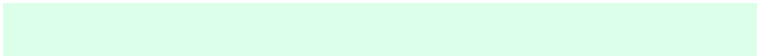
255, 176, 179

Sweetspot

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



127, 207, 236



219, 245, 255



127, 236, 165



106, 122, 128



0, 0, 0



128, 128, 128

Same Dimension

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



127, 207, 236



115, 218, 255



127, 186, 236



106, 114, 117



0, 133, 181



0, 40, 54

Inverse Universe

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



236, 127, 196



255, 115, 204



236, 127, 143



117, 106, 113



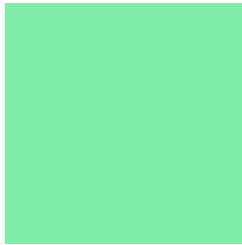
181, 0, 115



54, 0, 34

Previews

White Background



This preview shows how the RYB color 127, 207, 236 looks on a white background.

Color Contrast Check

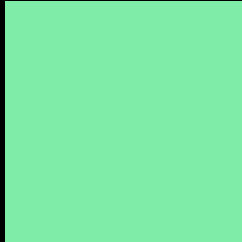
Large Text (above 18pt) WCAG AA × Fail

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 127, 207, 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 127, 207, 236 Background



This preview shows how black text looks on a background with the RYB color 127, 207, 236.

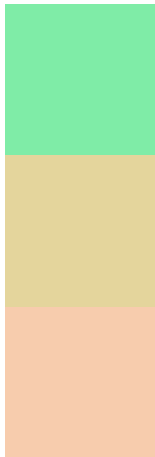


This preview shows how white text looks on a background with the RYB color 127, 207, 236.

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
127, 207, 236

Protanopia
175, 228, 156

Deuteranopia
247, 226, 173



Tritanopia
146, 190, 244

Trichromacy



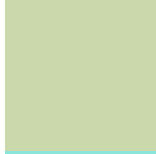
Original Color

127, 207, 236



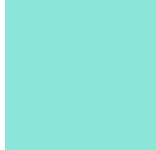
Protanomaly

160, 221, 190



Deuteranomaly

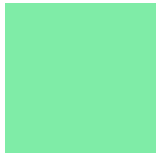
171, 216, 184



Tritanomaly

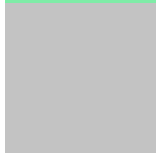
139, 188, 230

Monochromacy



Original Color

127, 207, 236



Achromatopsia

195, 195, 195



Achromatomaly

170, 199, 210

CSS Examples

Text

The CSS property to change the color of the text to RYB 127, 207, 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(127, 236, 167)` looks like.

```
.text, #text, p{  
    color:rgb(127, 236, 167)  
}
```

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(127, 236, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 236, 167) }
```

Border

The CSS property to change the border of an element to RYB 127, 207, 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(127, 236, 167) }
```

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

```
.border{ border-color:rgb(127, 236, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 236, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 236, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 236, 167);  
box-shadow:4px 4px 4px 4px rgb(127, 236,  
167) }
```

Background

The CSS property to change the background color of an element to RYB 127, 207, 236 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 236, 167) }
```

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

```
.background{ background-color: rgb(127,  
236, 167) }
```

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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