

Converting Colors

`RYB(127, 227, 179)`

Have a look what the booklet for
RYB(127, 227, 179) contains.

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Color

R_YB(127, 227, 179)

Conversions

Conversions Part 1

Format	Color
Hex	AFE37F
RGB	175, 227, 127
RGB Percent	69%, 89%, 50%
CMY	0.3137, 0.1098, 0.5020
CMYK	0.23, 0.00, 0.44, 0.11
HSL	91°, 64%, 69%
HSV	91°, 44%, 89%
XYZ	48.9790, 65.5844, 30.1563
YIQ	200.0520, 1.1080, -42.1240

Conversions

Conversions Part 2

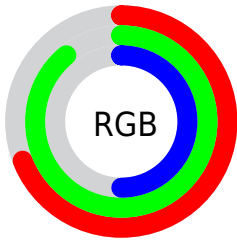
Format	Color
RYB	127, 227, 179
Decimal	11527039
CIELab	84.78, -33.55, 43.40
CIELCh	85, 54.856, 127.709
Yxy	65.5844, 0.3384, 0.4532
Android (android.graphics.Color)	4289717119 (0xFFAFE37F)
YUV	200.0520, -36.0146, -21.9706
Hunter-Lab	80.9842, -33.7660, 34.6110

Details

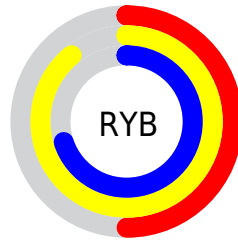
The RYB color **127, 227, 179** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **179, 127, 227**, and the grayscale version is **200, 200, 200**.

A 20% lighter version of the original color is **181, 255, 204**, and **75, 171, 126** is the 20% darker color. If you saturate the color by 10%, you get **104, 227, 168**, and if you desaturate by 10%, it is **150, 227, 190**.

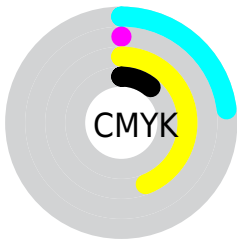
Distribution



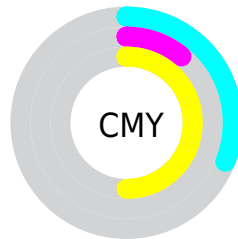
- Red (69%)
- Green (89%)
- Blue (50%)



- Red (50%)
- Yellow (89%)
- Blue (70%)



- Cyan (23%)
- Magenta (0%)
- Yellow (44%)
- Black (11%)



- Cyan (31%)
- Magenta (11%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the RYB color 127, 227, 179 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, 227, 179 by changing the saturation by 10% instead.

 127, 227, 179


255, 255, 255


 181, 255, 204


 209, 255, 209

 238, 255, 238

 127, 227, 179


 101, 199, 153

 75, 171, 126

 50, 145, 101

 24, 119, 76

 0, 94, 53

 0, 69, 56

 0, 47, 47

 0, 25, 25

 0, 0, 0

 127, 227, 179

 127, 227, 179

 104, 227, 168

 150, 227, 190

 82, 227, 158

 172, 227, 200

 59, 227, 146

 195, 227, 212

 36, 227, 135

 218, 227, 223

 14, 227, 125

 234, 227, 241

 0, 227, 118

 246, 227, 255

 255, 227, 255

Harmonies

Analogous

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



127, 231, 106



127, 227, 179



105, 191, 235

Triad

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



127, 227, 179



0, 120, 255



255, 169, 200

Complementary

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



127, 227, 179



179, 127, 227

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, 175, 252



127, 227, 179



151, 190, 255

Square

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



127, 227, 179



0, 123, 255



234, 193, 255



255, 186, 151

Rectangle

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



127, 227, 179



0, 128, 238



234, 193, 255



255, 169, 218

Sweetspot

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



127, 227, 179



222, 255, 239



219, 227, 127



107, 128, 118



0, 0, 0



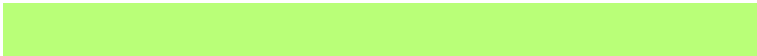
128, 128, 128

Same Dimension

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



127, 227, 179



120, 255, 190



127, 225, 227



103, 115, 109



0, 179, 93



0, 51, 27

Inverse Universe

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



179, 127, 227



190, 120, 255



227, 127, 225



109, 103, 115



93, 0, 179



27, 0, 51

Previews

White Background



This preview shows how the RYB color 127, 227, 179 looks on a white background.

Color Contrast Check

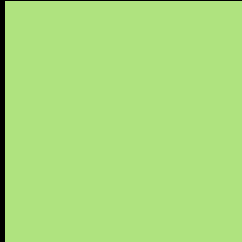
Large Text (above 18pt) WCAG AA × Fail

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, 227, 179 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, 227, 179 Background



This preview shows how black text looks on a background with the RYB color 127, 227, 179.



This preview shows how white text looks on a background with the RYB color 127, 227, 179.

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, 227, 179

Protanopia
145, 231, 121

Deuteranopia
227, 255, 133



Tritanopia
190, 206, 232

Trichromacy



Original Color

127, 227, 179



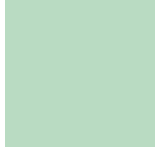
Protanomaly

123, 217, 129



Deuteranomaly

149, 226, 131



Tritanomaly

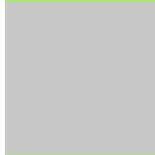
185, 212, 219

Monochromacy



Original Color

127, 227, 179



Achromatopsia

200, 200, 200



Achromatomaly

173, 210, 192

CSS Examples

Text

The CSS property to change the color of the text to RYB 127, 227, 179 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(175, 227, 127)` looks like.

```
.text, #text, p{  
    color:rgb(175, 227, 127)  
}
```

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(175, 227, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 227, 127) }
```

Border

The CSS property to change the border of an element to RYB 127, 227, 179 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(175, 227, 127) }
```

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

```
.border{ border-color:rgb(175, 227, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 227, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 227, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 227, 127);  
box-shadow:4px 4px 4px 4px rgb(175, 227,  
127) }
```

Background

The CSS property to change the background color of an element to RYB 127, 227, 179 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 227, 127) }
```

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

```
.background{ background-color: rgb(175,  
227, 127) }
```

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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