

Converting Colors

`RYB(142, 227, 197)`

Have a look what the booklet for
RYB(142, 227, 197) contains.

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Color

R_YB(142, 227, 197)

Conversions

Conversions Part 1

Format	Color
Hex	ACE38E
RGB	172, 227, 142
RGB Percent	67%, 89%, 56%
CMY	0.3255, 0.1098, 0.4431
CMYK	0.24, 0.00, 0.37, 0.11
HSL	99°, 60%, 72%
HSV	99°, 37%, 89%
XYZ	49.3648, 65.6618, 35.6634
YIQ	200.8650, -5.4950, -38.0950

Conversions

Conversions Part 2

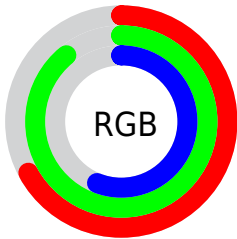
Format	Color
RYB	142, 227, 197
Decimal	11330446
CIELab	84.82, -32.67, 35.97
CIELCh	85, 48.594, 132.251
Yxy	65.6618, 0.3276, 0.4357
Android (android.graphics.Color)	4289520526 (0xFFACE38E)
YUV	200.8650, -29.0204, -25.3146
Hunter-Lab	81.0320, -33.0634, 30.6280

Details

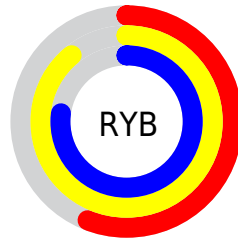
The RYB color **142, 227, 197** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **197, 142, 227**, and the grayscale version is **201, 201, 201**.

A 20% lighter version of the original color is **197, 255, 223**, and **90, 171, 143** is the 20% darker color. If you saturate the color by 10%, you get **119, 227, 189**, and if you desaturate by 10%, it is **165, 227, 205**.

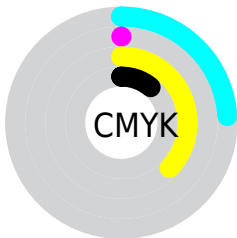
Distribution



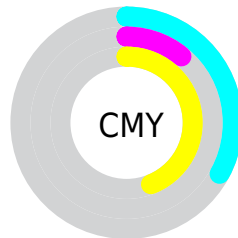
- Red (67%)
- Green (89%)
- Blue (56%)



- Red (56%)
- Yellow (89%)
- Blue (77%)



- Cyan (24%)
- Magenta (0%)
- Yellow (37%)
- Black (11%)



- Cyan (33%)
- Magenta (11%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the RYB color 142, 227, 197 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 142, 227, 197 by changing the saturation by 10% instead.

 142, 227, 197


255, 255, 255


 197, 255, 223


 225, 255, 225

254, 255, 254

 142, 227, 197


 116, 199, 170

 90, 171, 143

 66, 145, 119

 42, 119, 95

 17, 94, 71

 0, 69, 59

 0, 46, 46

 0, 25, 25

 0, 0, 0

 142, 227, 197

 142, 227, 197

 119, 227, 189

 165, 227, 205

 97, 227, 181

 187, 227, 213

 74, 227, 173

 210, 227, 221

 51, 227, 165

 231, 227, 233

 29, 227, 157

 245, 227, 255

 6, 227, 149

 255, 227, 255

 0, 227, 147

Harmonies

Analogous

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



129, 223, 120



142, 227, 197



111, 189, 234

Triad

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



142, 227, 197



84, 161, 255



255, 175, 194

Complementary

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



142, 227, 197



197, 142, 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, 179, 241



142, 227, 197



174, 199, 255

Square

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



142, 227, 197



0, 122, 255



241, 193, 255



255, 198, 152

Rectangle

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



142, 227, 197



56, 152, 236



241, 193, 255



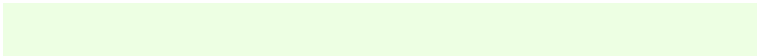
255, 175, 210

Sweetspot

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



142, 227, 197



227, 255, 245



191, 227, 142



111, 128, 122



0, 0, 0



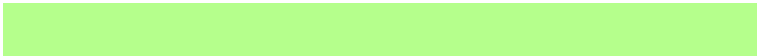
128, 128, 128

Same Dimension

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



142, 227, 197



140, 255, 214



142, 217, 227



103, 115, 111



0, 179, 116



0, 51, 33

Inverse Universe

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



197, 142, 227



215, 140, 255



227, 142, 216



111, 103, 115



116, 0, 179



33, 0, 51

Previews

White Background



This preview shows how the RYB color 142, 227, 197 looks on a white background.

Color Contrast Check

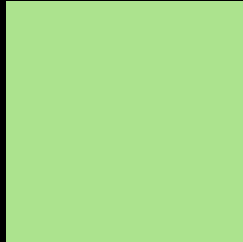
Large Text (above 18pt) WCAG AA × Fail

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 142, 227, 197 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

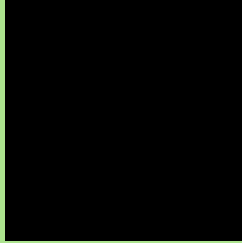
Any Text WCAG AA ✓ Pass

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 142, 227, 197 Background



This preview shows how black text looks on a background with the RYB color 142, 227, 197.



This preview shows how white text looks on a background with the RYB color 142, 227, 197.

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
142, 227, 197

Protanopia
160, 230, 136

Deuteranopia
241, 251, 148



Tritanopia
186, 204, 233

Trichromacy



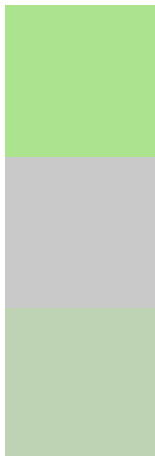
Original Color
142, 227, 197

Protanomaly
138, 217, 146

Deuteranomaly
159, 222, 146

Tritanomaly
181, 207, 220

Monochromacy



Original Color
142, 227, 197

Achromatopsia
201, 201, 201

Achromatomaly
180, 210, 200

CSS Examples

Text

The CSS property to change the color of the text to RYB 142, 227, 197 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(172, 227, 142)` looks like.

```
.text, #text, p{  
    color:rgb(172, 227, 142)  
}
```

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(172, 227, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 227, 142) }
```

Border

The CSS property to change the border of an element to RYB 142, 227, 197 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(172, 227, 142) }
```

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

```
.border{ border-color:rgb(172, 227, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 227, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(172, 227, 142); -webkit-box-shadow:4px 4px 4px 4px rgb(172, 227, 142); box-shadow:4px 4px 4px 4px rgb(172, 227, 142) }
```

Background

The CSS property to change the background color of an element to RYB 142, 227, 197 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 227, 142) }
```

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

```
.background{ background-color: rgb(172,  
227, 142) }
```

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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