

Converting Colors

`RYB(145, 232, 179)`

Have a look what the booklet for
RYB(145, 232, 179) contains.

RYB(145, 232, 179)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

R_YB(145, 232, 179)

Conversions

Conversions Part 1

Format	Color
Hex	C6E891
RGB	198, 232, 145
RGB Percent	78%, 91%, 57%
CMY	0.2235, 0.0902, 0.4314
CMYK	0.15, 0.00, 0.38, 0.09
HSL	83°, 65%, 74%
HSV	83°, 38%, 91%
XYZ	57.2561, 71.7633, 37.6221
YIQ	211.9160, 7.6630, -34.2650

Conversions

Conversions Part 2

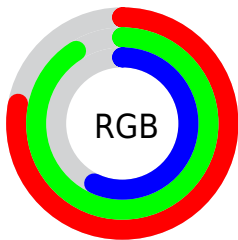
Format	Color
RYB	145, 232, 179
Decimal	13035665
CIELab	87.85, -25.37, 38.72
CIELCh	88, 46.289, 123.237
Yxy	71.7633, 0.3436, 0.4306
Android (android.graphics.Color)	4291225745 (0xFFC6E891)
YUV	211.9160, -32.9896, -12.2043
Hunter-Lab	84.7132, -27.6032, 32.9679

Details

The RYB color **145, 232, 179** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **179, 145, 232**, and the grayscale version is **212, 212, 212**.

A 20% lighter version of the original color is **200, 255, 200**, and **93, 176, 126** is the 20% darker color. If you saturate the color by 10%, you get **122, 232, 165**, and if you desaturate by 10%, it is **168, 232, 193**.

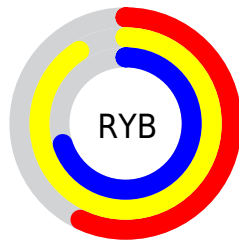
Distribution



Red (78%)

Green (91%)

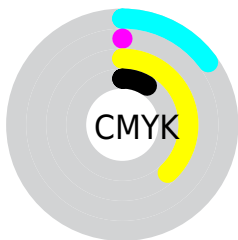
Blue (57%)



Red (57%)

Yellow (91%)

Blue (70%)

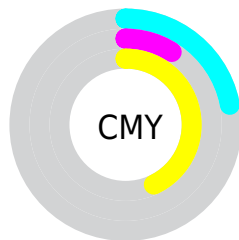


Cyan (15%)

Magenta (0%)

Yellow (38%)

Black (9%)



Cyan (22%)

Magenta (9%)

Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the RYB color 145, 232, 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 145, 232, 179 by changing the saturation by 10% instead.

 145, 232, 179


255, 255, 255


 200, 255, 200

 228, 255, 228

 145, 232, 179

 119, 204, 153

 93, 176, 126


 68, 150, 102

 44, 124, 78

 18, 99, 52

 0, 74, 33

 0, 52, 37

 0, 32, 32

 0, 0, 0


 145, 232, 179

 145, 232, 179

 122, 232, 165

 168, 232, 193

 99, 232, 151

 191, 232, 207

 75, 232, 136

 215, 232, 222

 52, 232, 122

 234, 232, 238

 29, 232, 108

 243, 232, 255

 6, 232, 94

 252, 232, 255

 0, 232, 91

 255, 232, 255

Harmonies

Analogous

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



165, 245, 131



145, 232, 179



144, 214, 240

Triad

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



145, 232, 179



83, 164, 255



255, 186, 217

Complementary

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



145, 232, 179



179, 145, 232

Split Complementary

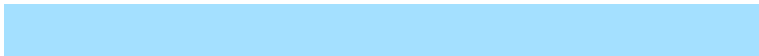
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



255, 192, 255



145, 232, 179



164, 200, 255

Square

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



145, 232, 179



7, 128, 255



232, 207, 255



255, 196, 174

Rectangle

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



145, 232, 179



104, 184, 243



232, 207, 255



255, 187, 232

Sweetspot

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



145, 232, 179



227, 255, 238



232, 198, 145



111, 128, 118



0, 0, 0



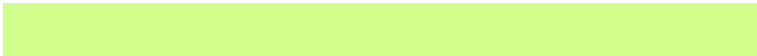
128, 128, 128

Same Dimension

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



145, 232, 179



140, 255, 185



145, 232, 222



103, 115, 108



0, 179, 70



0, 51, 20

Inverse Universe

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



179, 145, 232



185, 140, 255



222, 145, 232



108, 103, 115



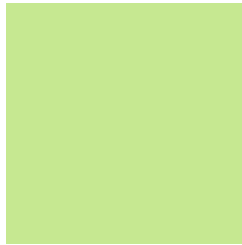
70, 0, 179



20, 0, 51

Previews

White Background



This preview shows how the RYB color 145, 232, 179 looks on a white background.

Color Contrast Check

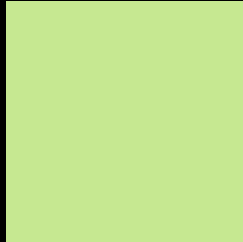
Large Text (above 18pt) WCAG AA × Fail

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 145, 232, 179 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

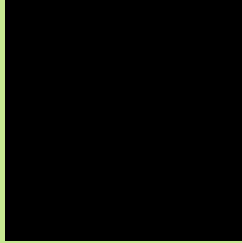
Any Text WCAG AA ✓ Pass

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](#).

RYP 145, 232, 179 Background



This preview shows how black text looks on a background with the RYP color 145, 232, 179.

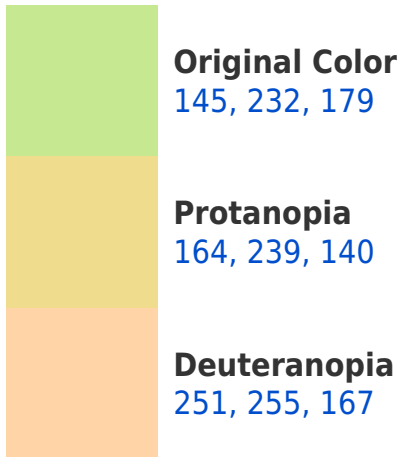


This preview shows how white text looks on a background with the RYP color 145, 232, 179.

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





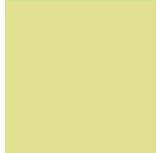
Tritanopia
211, 218, 238

Trichromacy



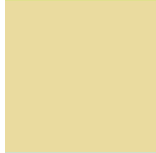
Original Color

145, 232, 179



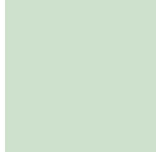
Protanomaly

142, 224, 142



Deuteranomaly

178, 234, 159



Tritanomaly

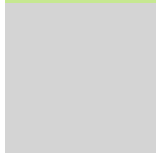
204, 225, 223

Monochromacy



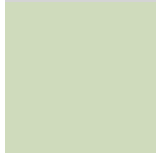
Original Color

145, 232, 179



Achromatopsia

212, 212, 212



Achromatomaly

188, 219, 200

CSS Examples

Text

The CSS property to change the color of the text to RYB 145, 232, 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(198, 232, 145)` looks like.

```
.text, #text, p{  
    color:rgb(198, 232, 145)  
}
```

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(198, 232, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 232, 145) }
```

Border

The CSS property to change the border of an element to RYB 145, 232, 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(198, 232, 145) }
```

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

```
.border{ border-color:rgb(198, 232, 145) }
```

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

Here you see how a box with a 4 pixel rgb(198, 232, 145) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 232, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 232, 145);  
box-shadow:4px 4px 4px 4px rgb(198, 232,  
145) }
```

Background

The CSS property to change the background color of an element to RYB 145, 232, 179 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 232, 145) }
```

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

```
.background{ background-color: rgb(198,  
232, 145) }
```

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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