

Converting Colors

`RYB(166, 244, 179)`

Have a look what the booklet for
RYB(166, 244, 179) contains.

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Color

R_YB(166, 244, 179)

Conversions

Conversions Part 1

Format	Color
Hex	E7F4A6
RGB	231, 244, 166
RGB Percent	91%, 96%, 65%
CMY	0.0941, 0.0431, 0.3490
CMYK	0.05, 0.00, 0.32, 0.04
HSL	70°, 78%, 80%
HSV	70°, 32%, 96%
XYZ	72.1886, 84.4435, 48.5709
YIQ	231.2210, 17.2900, -27.0140

Conversions

Conversions Part 2

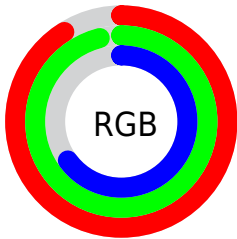
Format	Color
RYB	166, 244, 179
Decimal	15201446
CIELab	93.64, -16.41, 36.22
CIELCh	94, 39.766, 114.368
Yxy	84.4435, 0.3518, 0.4115
Android (android.graphics.Color)	4293391526 (0xFFE7F4A6)
YUV	231.2210, -32.1540, -0.1938
Hunter-Lab	91.8931, -20.5885, 32.9870

Details

The RYB color **166, 244, 179** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **179, 166, 244**, and the grayscale version is **232, 232, 232**.

A 20% lighter version of the original color is **222, 255, 222**, and **113, 188, 126** is the 20% darker color. If you saturate the color by 10%, you get **142, 244, 159**, and if you desaturate by 10%, it is **190, 244, 199**.

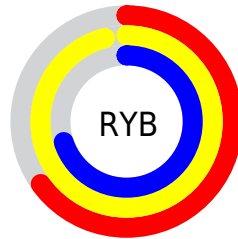
Distribution



Red (91%)

Green (96%)

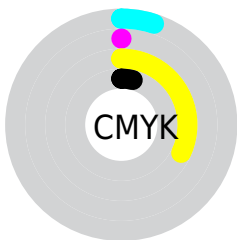
Blue (65%)



Red (65%)

Yellow (96%)

Blue (70%)

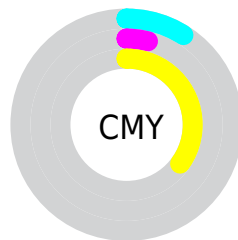


Cyan (5%)

Magenta (0%)

Yellow (32%)

Black (4%)



Cyan (9%)

Magenta (4%)

Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the RYB color 166, 244, 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 166, 244, 179 by changing the saturation by 10% instead.

 166, 244, 179

255, 255, 255


 222, 255, 222


 250, 255, 250

 166, 244, 179

 139, 216, 153

 113, 188, 126

 88, 161, 102

 63, 135, 77

 39, 109, 53

 15, 85, 30

 0, 62, 15

 0, 40, 17

 0, 21, 21

■ 166, 244, 179

■ 166, 244, 179

■ 142, 244, 159

■ 190, 244, 199

■ 117, 244, 138

■ 215, 244, 220

■ 93, 244, 118

■ 239, 244, 240

■ 68, 244, 97

■ 247, 244, 255

■ 44, 244, 77

■ 251, 244, 255

■ 20, 244, 57

■ 255, 244, 255

■ 0, 244, 41

Harmonies

Analogous

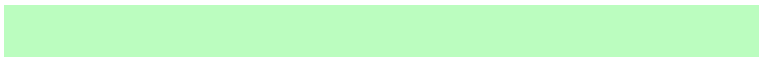
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



190, 255, 160



166, 244, 179



187, 249, 253

Triad

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



166, 244, 179



124, 189, 255



255, 209, 246

Complementary

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



166, 244, 179



179, 166, 244

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, 216, 255



166, 244, 179



175, 212, 255

Square

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



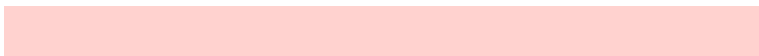
166, 244, 179



112, 184, 255



232, 229, 255



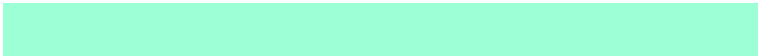
255, 210, 207

Rectangle

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



166, 244, 179



157, 219, 255



232, 229, 255



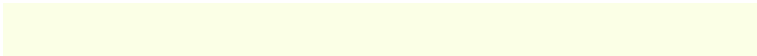
255, 210, 255

Sweetspot

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



166, 244, 179



230, 255, 234



244, 182, 166



112, 128, 115



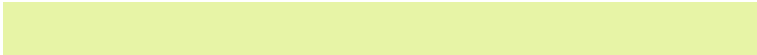
0, 0, 0



128, 128, 128

Same Dimension

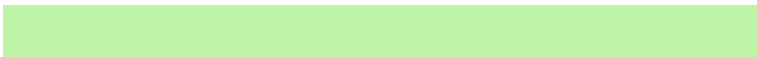
The Same Dimension uses a secret algorithm to generate beautiful new colors.



166, 244, 179



158, 255, 174



166, 244, 218



110, 122, 112



0, 186, 31



0, 59, 10

Inverse Universe

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



179, 166, 244



174, 158, 255



218, 166, 244



112, 110, 122



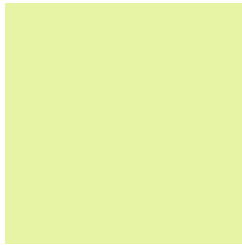
31, 0, 186



10, 0, 59

Previews

White Background



This preview shows how the RYB color 166, 244, 179 looks on a white background.

Color Contrast Check

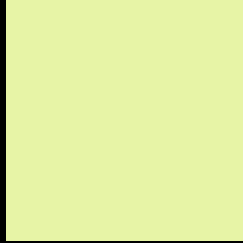
Large Text (above 18pt) WCAG AA × Fail

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 166, 244, 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 166, 244, 179 Background



This preview shows how black text looks on a background with the RYB color 166, 244, 179.

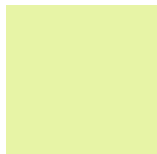
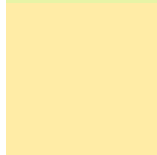
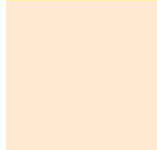


This preview shows how white text looks on a background with the RYB color 166, 244, 179.

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

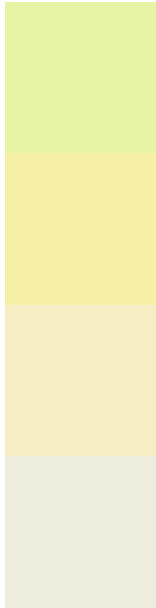
	Original Color 166, 244, 179
	Protanopia 190, 255, 166
	Deuteranopia 255, 251, 213



Tritanopia

242, 233, 252

Trichromacy



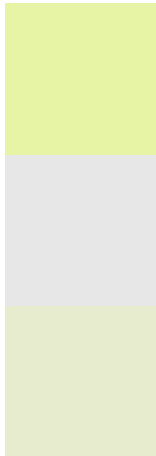
Original Color
166, 244, 179

Protanomaly
174, 246, 166

Deuteranomaly
207, 246, 196

Tritanomaly
222, 238, 221

Monochromacy



Original Color
166, 244, 179

Achromatopsia
231, 231, 231

Achromatomaly
207, 236, 212

CSS Examples

Text

The CSS property to change the color of the text to RGB 166, 244, 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(231, 244, 166)` looks like.

```
.text, #text, p{  
    color:rgb(231, 244, 166)  
}
```

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(231, 244, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 244, 166) }
```

Border

The CSS property to change the border of an element to RYB 166, 244, 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(231, 244, 166) }
```

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

```
.border{ border-color:rgb(231, 244, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 244, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(231, 244, 166); -webkit-box-shadow:4px 4px 4px 4px rgb(231, 244, 166); box-shadow:4px 4px 4px 4px rgb(231, 244, 166) }
```

Background

The CSS property to change the background color of an element to RYB 166, 244, 179 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 244, 166) }
```

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

```
.background{ background-color: rgb(231,  
244, 166) }
```

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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