

Converting Colors

`RYB(136, 232, 145)`

Have a look what the booklet for
RYB(136, 232, 145) contains.

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Color

R_YB(136, 232, 145)

Conversions

Conversions Part 1

Format	Color
Hex	DFE888
RGB	223, 232, 136
RGB Percent	87%, 91%, 53%
CMY	0.1255, 0.0902, 0.4667
CMYK	0.04, 0.00, 0.41, 0.09
HSL	66°, 68%, 72%
HSV	66°, 41%, 91%
XYZ	63.7320, 75.1788, 34.4445
YIQ	218.3650, 25.4520, -31.7640

Conversions

Conversions Part 2

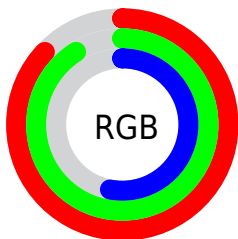
Format	Color
R_{YB}	136, 232, 145
Decimal	14674056
CIE _{Lab}	89.48, -17.01, 45.58
CIE _{LCh}	89, 48.651, 110.463
Yxy	75.1788, 0.3676, 0.4337
Android (android.graphics.Color)	4292864136 (0xFFDFE888)
YUV	218.3650, -40.6059, 4.0649
Hunter-Lab	86.7057, -20.5307, 37.1406

Details

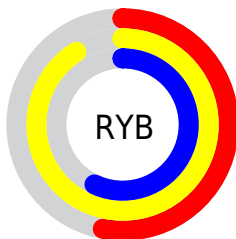
The RYB color **136, 232, 145** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **145, 136, 232**, and the grayscale version is **219, 219, 219**.

A 20% lighter version of the original color is **191, 255, 191**, and **84, 176, 94** is the 20% darker color. If you saturate the color by 10%, you get **113, 232, 124**, and if you desaturate by 10%, it is **159, 232, 166**.

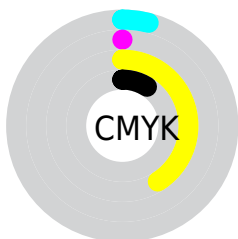
Distribution



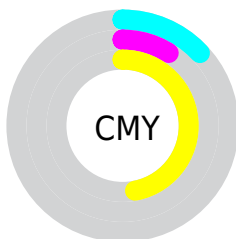
- Red (87%)
- Green (91%)
- Blue (53%)



- Red (53%)
- Yellow (91%)
- Blue (57%)



- Cyan (4%)
- Magenta (0%)
- Yellow (41%)
- Black (9%)



- Cyan (13%)
- Magenta (9%)
- Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the RYB color 136, 232, 145 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 136, 232, 145 by changing the saturation by 10% instead.

 136, 232, 145

255, 255, 255

 191, 255, 191


 219, 255, 219


 248, 255, 248

 136, 232, 145

 110, 204, 120

 84, 176, 94


 59, 150, 70

 33, 124, 45

 1, 99, 14

 0, 75, 14

 0, 53, 17

 0, 32, 24

 0, 0, 0

 136, 232, 145

 136, 232, 145

 113, 232, 124

 159, 232, 166

 90, 232, 103

 182, 232, 187

 66, 232, 82

 206, 232, 208

 43, 232, 61

 229, 232, 229

 20, 232, 40

 234, 232, 252

 0, 232, 22

 236, 232, 255

 238, 232, 255

 240, 232, 255

 243, 232, 255

Harmonies

Analogous

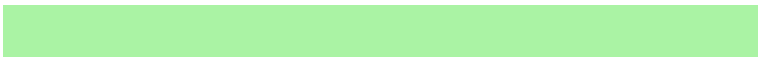
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



188, 255, 133



136, 232, 145



164, 243, 237

Triad

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



136, 232, 145



6, 128, 255



255, 190, 242

Complementary

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



136, 232, 145



145, 136, 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, 201, 255



136, 232, 145



128, 186, 255

Square

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



136, 232, 145



0, 126, 255



208, 216, 255



255, 190, 195

Rectangle

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



136, 232, 145



129, 206, 247



208, 216, 255



255, 193, 255

Sweetspot

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



136, 232, 145



224, 255, 227



232, 145, 136



110, 128, 112



0, 0, 0



128, 128, 128

Same Dimension

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



136, 232, 145



128, 255, 140



136, 232, 192



103, 115, 104



0, 179, 17



0, 51, 5

Inverse Universe

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



145, 136, 232



139, 128, 255



192, 136, 232



104, 103, 115



17, 0, 179



5, 0, 51

Previews

White Background



This preview shows how the RYB color 136, 232, 145 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 136, 232, 145 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

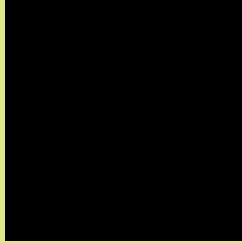
Any Text WCAG AA ✓ Pass

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 136, 232, 145 Background



This preview shows how black text looks on a background with the RYB color 136, 232, 145.

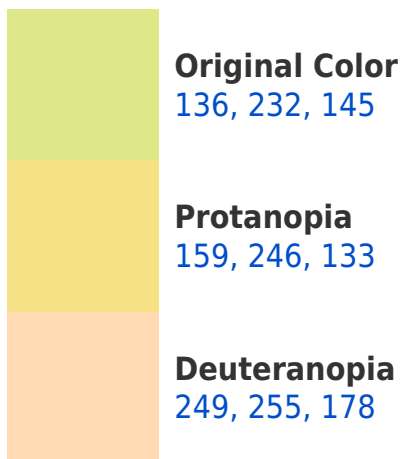


This preview shows how white text looks on a background with the RYB color 136, 232, 145.

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](#).

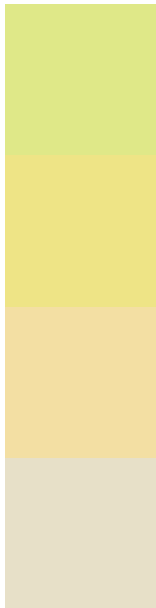
Dichromacy





Tritanopia
235, 220, 237

Trichromacy



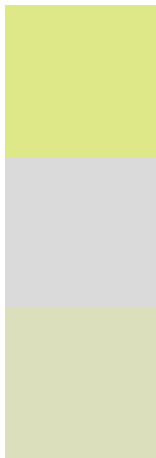
Original Color
136, 232, 145

Protanomaly
145, 238, 134

Deuteranomaly
190, 243, 163

Tritanomaly
209, 231, 200

Monochromacy



Original Color
136, 232, 145

Achromatopsia
218, 218, 218

Achromatomaly
188, 223, 191

CSS Examples

Text

The CSS property to change the color of the text to RGB 136, 232, 145 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(223, 232, 136) looks like.

```
.text, #text, p{  
    color:rgb(223, 232, 136)  
}
```

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(223, 232, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 232, 136) }
```

Border

The CSS property to change the border of an element to RYB 136, 232, 145 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(223, 232, 136) }
```

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

```
.border{ border-color:rgb(223, 232, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 232, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(223, 232, 136); -webkit-box-shadow:4px 4px 4px 4px rgb(223, 232, 136); box-shadow:4px 4px 4px 4px rgb(223, 232, 136) }
```

Background

The CSS property to change the background color of an element to RGB 136, 232, 145 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 232, 136) }
```

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

```
.background{ background-color: rgb(223,  
232, 136) }
```

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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