

Converting Colors

`RYB(145, 249, 147)`

Have a look what the booklet for
RYB(145, 249, 147) contains.

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Color

R_YB(145, 249, 147)

Conversions

Conversions Part 1

Format	Color
Hex	F7F991
RGB	247, 249, 145
RGB Percent	97%, 98%, 57%
CMY	0.0314, 0.0235, 0.4314
CMYK	0.01, 0.00, 0.42, 0.02
HSL	61°, 90%, 77%
HSV	61°, 42%, 98%
XYZ	77.3443, 89.5699, 40.0003
YIQ	236.5460, 32.1920, -32.7680

Conversions

Conversions Part 2

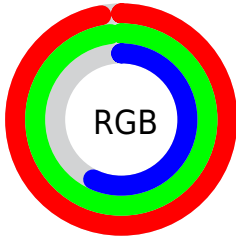
Format	Color
R_{YB}	145, 249, 147
Decimal	16251281
CIE _{Lab}	95.82, -15.17, 49.55
CIE _{LCh}	96, 51.820, 107.024
Yxy	89.5699, 0.3738, 0.4329
Android (android.graphics.Color)	4294441361 (0xFFFF7F991)
YUV	236.5460, -45.1322, 9.1682
Hunter-Lab	94.6414, -19.7458, 41.1899

Details

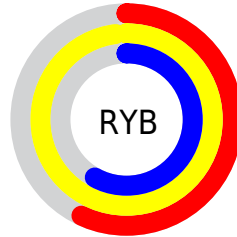
The RYB color **145, 249, 147** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **147, 145, 249**, and the grayscale version is **237, 237, 237**.

A 20% lighter version of the original color is **200, 255, 200**, and **92, 193, 96** is the 20% darker color. If you saturate the color by 10%, you get **120, 249, 122**, and if you desaturate by 10%, it is **170, 249, 172**.

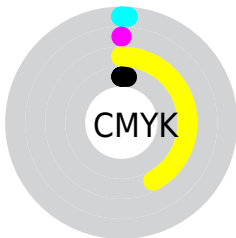
Distribution



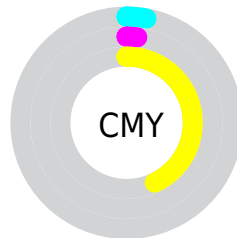
- Red (97%)
- Green (98%)
- Blue (57%)



- Red (57%)
- Yellow (98%)
- Blue (58%)



- Cyan (1%)
- Magenta (0%)
- Yellow (42%)
- Black (2%)



- Cyan (3%)
- Magenta (2%)
- Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the RYB color 145, 249, 147 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, 249, 147 by changing the saturation by 10% instead.

 145, 249, 147


255, 255, 255

 200, 255, 200

 229, 255, 229


 145, 249, 147

 118, 221, 121

 92, 193, 96

 66, 166, 71

 40, 139, 46

 8, 114, 15

 0, 90, 10

 0, 66, 11

 0, 44, 14

 0, 25, 25

 145, 249, 147

 145, 249, 147

 120, 249, 122

 170, 249, 172

 95, 249, 98

 195, 249, 196

 70, 249, 73

 220, 249, 221

 45, 249, 49

 245, 249, 245

 20, 249, 24

 249, 249, 255

 0, 249, 5

 250, 249, 255

 251, 249, 255

Harmonies

Analogous

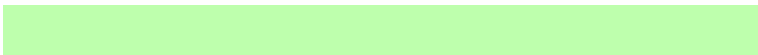
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



174, 255, 145



145, 249, 147



173, 255, 238

Triad

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



145, 249, 147



0, 128, 255



255, 206, 255

Complementary

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



145, 249, 147



147, 145, 249

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, 219, 255



145, 249, 147



126, 190, 255

Square

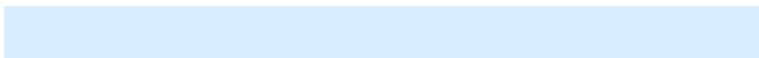
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



145, 249, 147



16, 136, 255



216, 230, 255



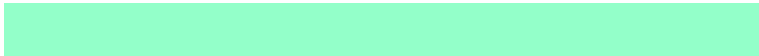
255, 204, 216

Rectangle

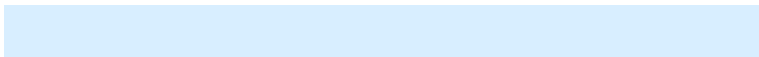
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



145, 249, 147



147, 219, 255



216, 230, 255



255, 209, 255

Sweetspot

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



145, 249, 147



222, 255, 223



249, 147, 145



107, 128, 108



0, 0, 0



128, 128, 128

Same Dimension

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



145, 249, 147



128, 255, 130



145, 249, 199



112, 125, 112



0, 189, 4



0, 61, 1

Inverse Universe

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



147, 145, 249



130, 128, 255



199, 145, 249



113, 112, 125



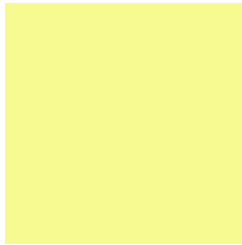
4, 0, 189



1, 0, 61

Previews

White Background



This preview shows how the RYB color 145, 249, 147 looks on a white background.

Color Contrast Check

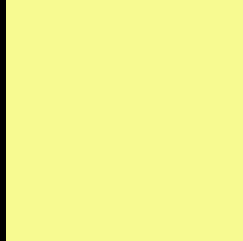
Large Text (above 18pt) WCAG AA × Fail

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, 249, 147 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 145, 249, 147 Background



This preview shows how black text looks on a background with the RYB color 145, 249, 147.

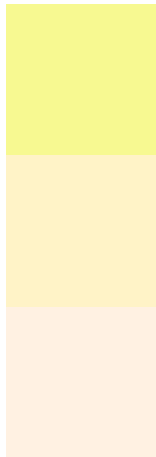


This preview shows how white text looks on a background with the RYB color 145, 249, 147.

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
145, 249, 147

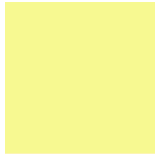
Protanopia
214, 255, 199

Deuteranopia
253, 255, 226



Tritanopia
255, 238, 251

Trichromacy



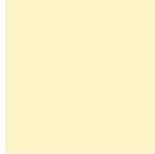
Original Color

145, 249, 147



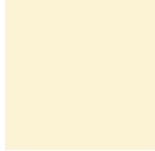
Protanomaly

187, 252, 179



Deuteranomaly

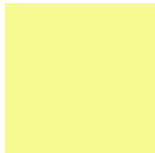
206, 252, 197



Tritanomaly

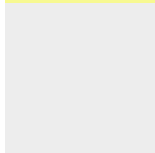
225, 252, 212

Monochromacy



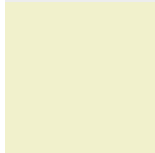
Original Color

145, 249, 147



Achromatopsia

237, 237, 237



Achromatomaly

204, 241, 204

CSS Examples

Text

The CSS property to change the color of the text to RYB 145, 249, 147 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(247, 249, 145)` looks like.

```
.text, #text, p{  
    color:rgb(247, 249, 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(247, 249, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 249, 145) }
```

Border

The CSS property to change the border of an element to RYB 145, 249, 147 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(247, 249, 145) }
```

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

```
.border{ border-color:rgb(247, 249, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(247, 249, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 249, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 249, 145);  
box-shadow:4px 4px 4px 4px rgb(247, 249,  
145) }
```

Background

The CSS property to change the background color of an element to RYB 145, 249, 147 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 249, 145) }
```

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

```
.background{ background-color: rgb(247,  
249, 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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