

# Converting Colors

RGB(232, 248, 157)

Have a look what the booklet for  
RGB(232, 248, 157) contains.

<b>RGB(232, 248, 157)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	23
<i><b>Color Blindness Simulation</b></i> .....	26
<i><b>CSS Examples</b></i> .....	29

# **Color**

**RGB(232, 248, 157)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E8F89D
RGB	232, 248, 157
RGB Percent	91%, 97%, 62%
CMY	0.0902, 0.0275, 0.3843
CMYK	0.06, 0.00, 0.37, 0.03
HSL	71°, 87%, 79%
HSV	71°, 37%, 97%
XYZ	72.9319, 86.7249, 44.7940
YIQ	232.8420, 19.6750, -31.6930

# Conversions

## Conversions Part 2

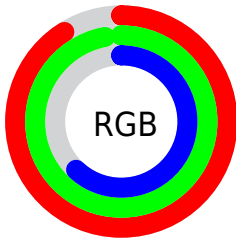
<b>Format</b>	<b>Color</b>
<b>RYB</b>	157, 248, 173
Decimal	15267997
CIELab	94.62, -19.07, 41.98
CIELCh	95, 46.106, 114.425
Yxy	86.7249, 0.3567, 0.4242
Android (android.graphics.Color)	4293458077 (0xFFE8F89D)
YUV	232.8420, -37.3901, -0.7384
Hunter-Lab	93.1262, -23.1784, 36.6697

# Details

The RGB color **232, 248, 157** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **173, 157, 248**, and the grayscale version is **233, 233, 233**.

A 20% lighter version of the original color is **255, 255, 213**, and **175, 192, 104** is the 20% darker color. If you saturate the color by 10%, you get **228, 248, 132**, and if you desaturate by 10%, it is **236, 248, 182**.

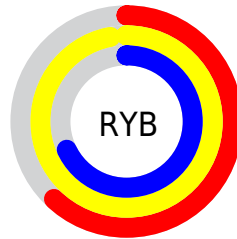
# Distribution



Red (91%)

Green (97%)

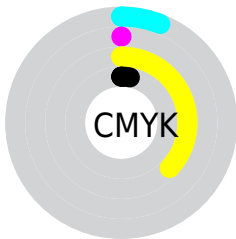
Blue (62%)



Red (62%)

Yellow (97%)

Blue (68%)

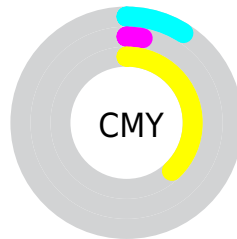


Cyan (6%)

Magenta (0%)

Yellow (37%)

Black (3%)



Cyan (9%)

Magenta (3%)

Yellow (38%)

# Brightness & Saturation Gradients

These gradients show how the RGB color 232, 248, 157 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 RGB color 232, 248, 157 by changing the saturation by 10% instead.



 232, 248, 157

255, 255, 255


 255, 255, 213


 255, 255, 241

 232, 248, 157

 203, 219, 130

 175, 192, 104

 148, 165, 79

 121, 138, 54

 95, 113, 29

 70, 88, 0

 46, 65, 0

 20, 43, 0

 0, 24, 0

 232, 248, 157

 232, 248, 157

 228, 248, 132


 236, 248, 182

 223, 248, 107

 241, 248, 207

 219, 248, 83

 245, 248, 231

 215, 248, 58

 249, 248, 255

 210, 248, 33

 254, 248, 255

 206, 248, 8

 255, 248, 255

 204, 248, 0

# Harmonies

## Analogous

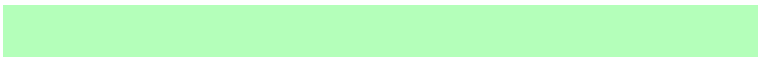
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



255, 234, 151



232, 248, 157



180, 255, 186

# Triad

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



232, 248, 157



91, 255, 255



255, 206, 250

# Complementary

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



232, 248, 157



173, 157, 248

# 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, 215, 255



232, 248, 157



163, 246, 255

# Square

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



232, 248, 157



73, 255, 255



233, 231, 255



255, 207, 205

# Rectangle

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



232, 248, 157



143, 255, 214



233, 231, 255



255, 208, 255

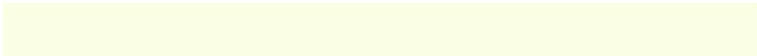


# Sweetspot

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



232, 248, 157



250, 255, 227



248, 172, 157



125, 128, 111



0, 0, 0



128, 128, 128



# Same Dimension

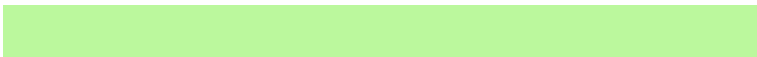
The Same Dimension uses a secret algorithm to generate beautiful new colors.



232, 248, 157



235, 255, 143



187, 248, 157



123, 125, 112



156, 189, 0



50, 61, 0



# Inverse Universe

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



173, 157, 248



163, 143, 255



218, 157, 248



115, 112, 125



33, 0, 189

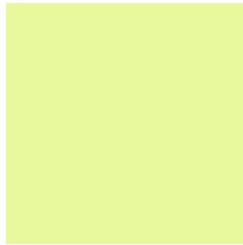


11, 0, 61



# Previews

## White Background



This preview shows how the RGB color 232, 248, 157 looks on a white background.

## Color Contrast Check

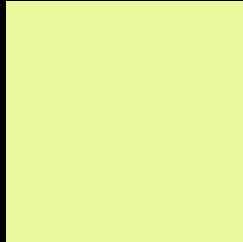
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



This preview shows how the RGB color 232, 248, 157 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

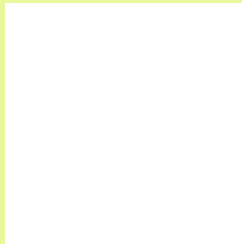
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## RGB 232, 248, 157 Background



This preview shows how black text looks on a background with the RGB color 232, 248, 157.


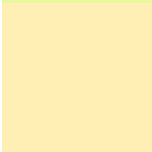
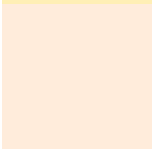


This preview shows how white text looks on a background with the RGB color 232, 248, 157.

# 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

	<b>Original Color</b> 232, 248, 157
	<b>Protanopia</b> 255, 239, 181
	<b>Deuteranopia</b> 255, 236, 219



# Tritanopia

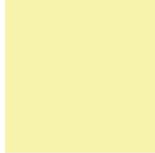
244, 236, 255

# Trichromacy



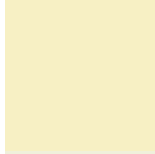
**Original Color**

232, 248, 157



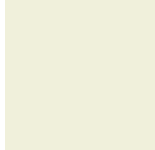
**Protanomaly**

247, 242, 172



**Deuteranomaly**

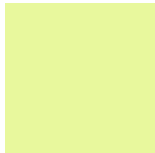
247, 240, 196



**Tritanomaly**

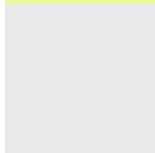
240, 240, 219

# Monochromacy



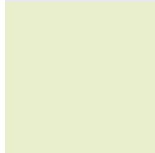
**Original Color**

232, 248, 157



**Achromatopsia**

233, 233, 233



**Achromatomaly**

233, 238, 205

# CSS Examples

## Text

The CSS property to change the color of the text to RGB 232, 248, 157 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(232, 248, 157)` looks like.

```
.text, #text, p{  
    color:rgb(232, 248, 157)  
}
```

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(232, 248, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 248, 157) }
```

## Border

The CSS property to change the border of an element to RGB 232, 248, 157 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(232, 248, 157) }
```

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

```
.border{ border-color:rgb(232, 248, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 248, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(232, 248, 157); -webkit-box-shadow:4px 4px 4px 4px rgb(232, 248, 157); box-shadow:4px 4px 4px 4px rgb(232, 248, 157) }
```

# Background

The CSS property to change the background color of an element to RGB 232, 248, 157 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 248, 157) }
```

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

```
.background{ background-color: rgb(232,  
248, 157) }
```

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](#).



Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor