

# Converting Colors

RGB(232, 240, 158)

Have a look what the booklet for  
RGB(232, 240, 158) contains.

<b>RGB(232, 240, 158)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	23
<b><i>Color Blindness Simulation</i></b> .....	26
<b><i>CSS Examples</i></b> .....	29

# **Color**

**RGB(232, 240, 158)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E8F09E
RGB	232, 240, 158
RGB Percent	91%, 94%, 62%
CMY	0.0902, 0.0588, 0.3804
CMYK	0.03, 0.00, 0.34, 0.06
HSL	66°, 73%, 78%
HSV	66°, 34%, 94%
XYZ	70.6104, 81.9446, 44.4431
YIQ	228.2600, 21.5540, -27.1980

# Conversions

## Conversions Part 2

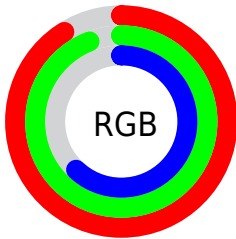
<b>Format</b>	<b>Color</b>
<b>RYB</b>	158, 240, 166
Decimal	15265950
CIELab	92.55, -15.05, 38.80
CIELCh	93, 41.614, 111.199
Yxy	81.9446, 0.3584, 0.4160
Android (android.graphics.Color)	4293456030 (0xFFE8F09E)
YUV	228.2600, -34.6382, 3.2800
Hunter-Lab	90.5233, -19.1813, 34.2574

# Details

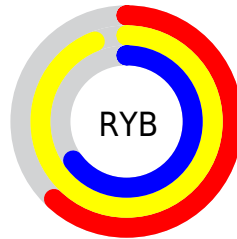
The RGB color **232, 240, 158** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **166, 158, 240**, and the grayscale version is **229, 229, 229**.

A 20% lighter version of the original color is **255, 255, 213**, and **175, 184, 105** is the 20% darker color. If you saturate the color by 10%, you get **230, 240, 134**, and if you desaturate by 10%, it is **234, 240, 182**.

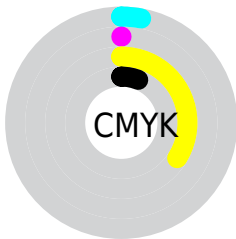
# Distribution



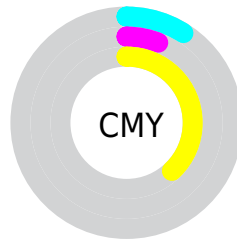
- Red (91%)
- Green (94%)
- Blue (62%)



- Red (62%)
- Yellow (94%)
- Blue (65%)



- Cyan (3%)
- Magenta (0%)
- Yellow (34%)
- Black (6%)



- Cyan (9%)
- Magenta (6%)
- Yellow (38%)

# Brightness & Saturation Gradients

These gradients show how the RGB color 232, 240, 158 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, 240, 158 by changing the saturation by 10% instead.



 232, 240, 158

255, 255, 255


 255, 255, 213


 255, 255, 242

 232, 240, 158

 203, 212, 131

 175, 184, 105

 148, 157, 80

 121, 131, 56

 95, 106, 31

 70, 82, 4

 47, 59, 0

 22, 37, 0

 0, 16, 0

 232, 240, 158

 232, 240, 158

 230, 240, 134


 234, 240, 182


 227, 240, 110


 237, 240, 206

 225, 240, 86

 239, 240, 230

 223, 240, 62

 241, 240, 254

 220, 240, 38

 244, 240, 255

 218, 240, 14

 246, 240, 255

 217, 240, 0

 248, 240, 255

 251, 240, 255

 253, 240, 255

# Harmonies

## Analogous

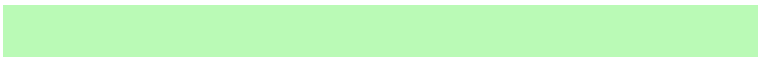
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



255, 227, 155



232, 240, 158



186, 250, 182

# Triad

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



232, 240, 158



107, 251, 255



255, 204, 247

# Complementary

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



232, 240, 158



166, 158, 240

# 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, 214, 255



232, 240, 158



161, 241, 255

# Square

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



232, 240, 158



99, 255, 255



222, 228, 255



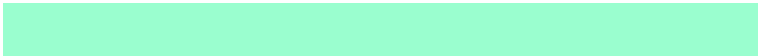
255, 205, 207

# Rectangle

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



232, 240, 158



154, 254, 207



222, 228, 255



255, 207, 255



# Sweetspot

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



232, 240, 158



253, 255, 230



240, 165, 158



126, 128, 112



0, 0, 0



128, 128, 128



# Same Dimension

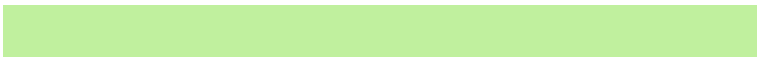
The Same Dimension uses a secret algorithm to generate beautiful new colors.



232, 240, 158



245, 255, 150



192, 240, 158



119, 120, 108



166, 184, 0



51, 56, 0



# Inverse Universe

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



166, 158, 240



161, 150, 255



206, 158, 240



109, 108, 120



18, 0, 184

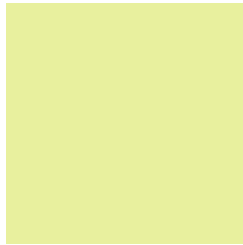


5, 0, 56



# Previews

## White Background



This preview shows how the RGB color 232, 240, 158 looks on a white background.

## Color Contrast Check

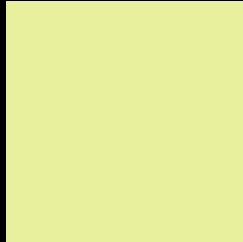
Large Text (above 18pt) WCAG AA × Fail

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, 240, 158 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

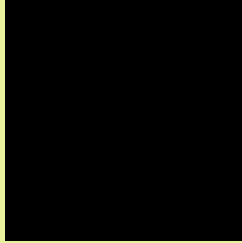
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## RGB 232, 240, 158 Background



This preview shows how black text looks on a background with the RGB color 232, 240, 158.

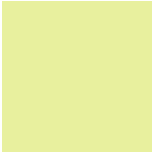
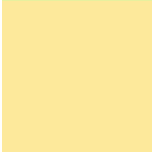
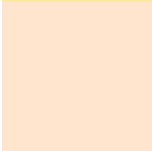


This preview shows how white text looks on a background with the RGB color 232, 240, 158.

# 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

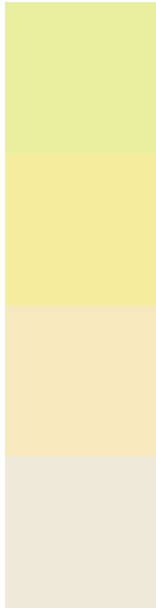
	<b>Original Color</b> 232, 240, 158
	<b>Protanopia</b> 253, 233, 155
	<b>Deuteranopia</b> 255, 229, 205



# Tritanopia

243, 229, 247

# Trichromacy



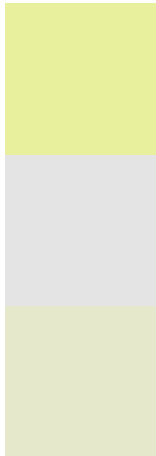
**Original Color**  
232, 240, 158

**Protanomaly**  
245, 236, 156

**Deuteranomaly**  
247, 233, 188

**Tritanomaly**  
239, 233, 215

# Monochromacy



**Original Color**  
232, 240, 158

**Achromatopsia**  
228, 228, 228

**Achromatomaly**  
229, 232, 203

# CSS Examples

## Text

The CSS property to change the color of the text to RGB 232, 240, 158 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, 240, 158)` looks like.

```
.text, #text, p{  
    color:rgb(232, 240, 158)  
}
```

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, 240, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 240, 158) }
```

## Border

The CSS property to change the border of an element to RGB 232, 240, 158 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, 240, 158) }
```

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

```
.border{ border-color:rgb(232, 240, 158) }
```

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

Here you see how a box with a 4 pixel rgb(232, 240, 158) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 240, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 240, 158);  
box-shadow:4px 4px 4px 4px rgb(232, 240,  
158) }
```

# Background

The CSS property to change the background color of an element to RGB 232, 240, 158 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 240, 158) }
```

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

```
.background{ background-color: rgb(232,  
240, 158) }
```

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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