

# Converting Colors

RGB(227, 255, 196)

Have a look what the booklet for  
RGB(227, 255, 196) contains.

<b>RGB(227, 255, 196)</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(227, 255, 196)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E3FFC4
RGB	227, 255, 196
RGB Percent	89%, 100%, 77%
CMY	0.1098, 0.0000, 0.2314
CMYK	0.11, 0.00, 0.23, 0.00
HSL	88°, 100%, 88%
HSV	88°, 23%, 100%
XYZ	77.4024, 91.8364, 65.8712
YIQ	239.9020, 2.2510, -24.2850

# Conversions

## Conversions Part 2

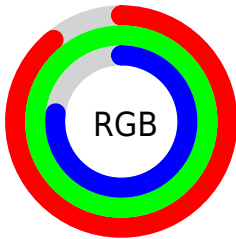
<b>Format</b>	<b>Color</b>
<b>RYB</b>	196, 255, 224
Decimal	14942148
CIELab	96.75, -19.09, 25.25
CIELCh	97, 31.653, 127.085
Yxy	91.8364, 0.3292, 0.3906
Android (android.graphics.Color)	4293132228 (0xFFE3FFC4)
YUV	239.9020, -21.6437, -11.3151
Hunter-Lab	95.8313, -23.5315, 26.3280

# Details

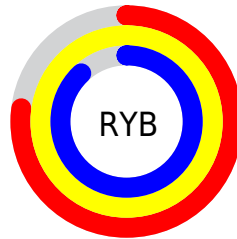
The RGB color **227, 255, 196** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **224, 196, 255**, and the grayscale version is **240, 240, 240**.

A 20% lighter version of the original color is **255, 255, 253**, and **171, 198, 142** is the 20% darker color. If you saturate the color by 10%, you get **215, 255, 171**, and if you desaturate by 10%, it is **239, 255, 222**.

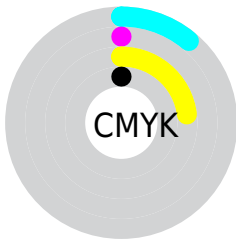
# Distribution



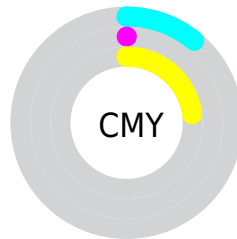
- Red (89%)
- Green (100%)
- Blue (77%)



- Red (77%)
- Yellow (100%)
- Blue (88%)



- Cyan (11%)
- Magenta (0%)
- Yellow (23%)
- Black (0%)



- Cyan (11%)
- Magenta (0%)
- Yellow (23%)

# Brightness & Saturation Gradients

These gradients show how the RGB color 227, 255, 196 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 227, 255, 196 by changing the saturation by 10% instead.




 227, 255, 196

255, 255, 255

255, 255, 253

 227, 255, 196

 199, 226, 169


 171, 198, 142

 144, 171, 116

 118, 144, 91

 93, 119, 67

 69, 94, 44

 45, 70, 22

 24, 47, 0

 0, 28, 0

■ 227, 255, 196

■ 227, 255, 196

■ 215, 255, 171

■ 239, 255, 222

■ 203, 255, 145

■ 251, 255, 247

■ 191, 255, 120

255, 255, 255

■ 179, 255, 94

■ 166, 255, 69

■ 154, 255, 43

■ 142, 255, 18

■ 134, 255, 0

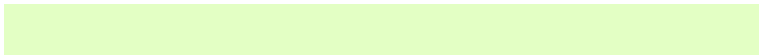
# Harmonies

## Analogous

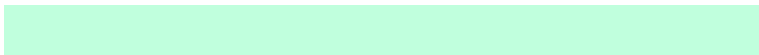
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



255, 246, 185



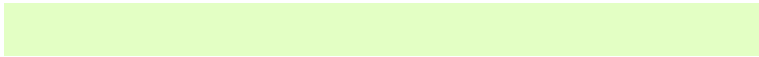
227, 255, 196



192, 255, 221

# Triad

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



227, 255, 196



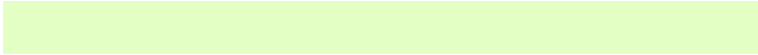
179, 255, 255



255, 223, 239

# Complementary

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



227, 255, 196



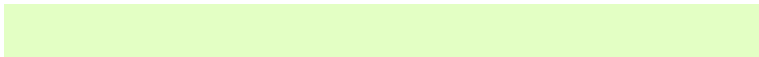
224, 196, 255

# Split Complementary

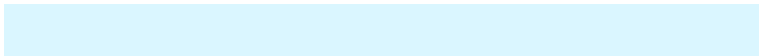
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



255, 227, 255



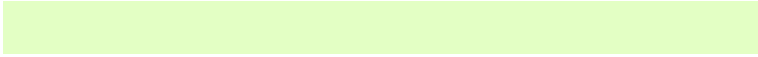
227, 255, 196



218, 246, 255

# Square

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



227, 255, 196



157, 255, 255



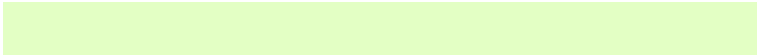
255, 235, 255



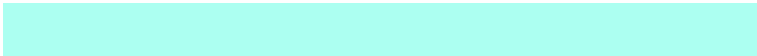
255, 227, 210

# Rectangle

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



227, 255, 196



172, 255, 241



255, 235, 255

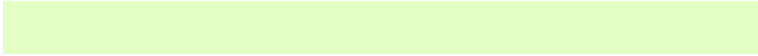


255, 224, 250



# Sweetspot

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



227, 255, 196



247, 255, 237



255, 224, 196



123, 128, 117



0, 0, 0

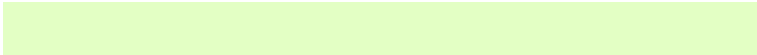


128, 128, 128

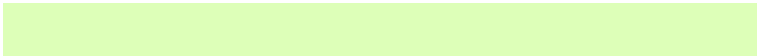


# Same Dimension

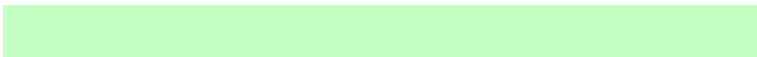
The Same Dimension uses a secret algorithm to generate beautiful new colors.



227, 255, 196



221, 255, 184



198, 255, 196



121, 128, 115



100, 191, 0



33, 64, 0



# Inverse Universe

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



224, 196, 255



217, 184, 255



253, 196, 255



121, 115, 128



91, 0, 191

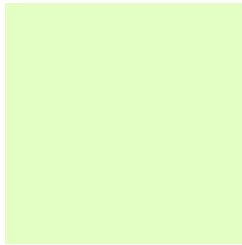


30, 0, 64



# Previews

## White Background



This preview shows how the RGB color 227, 255, 196 looks on a white background.

## Color Contrast Check

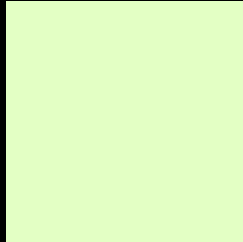
Large Text (above 18pt) WCAG AA × Fail

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 227, 255, 196 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

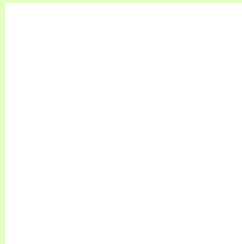
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## RGB 227, 255, 196 Background



This preview shows how black text looks on a background with the RGB color 227, 255, 196.



This preview shows how white text looks on a background with the RGB color 227, 255, 196.

# 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

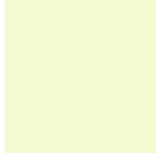
242, 246, 255

# Trichromacy



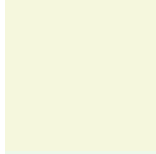
**Original Color**

227, 255, 196



**Protanomaly**

245, 249, 208



**Deuteranomaly**

245, 247, 221



**Tritanomaly**

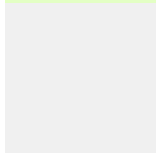
237, 249, 234

# Monochromacy



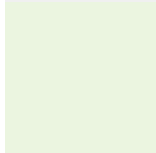
**Original Color**

227, 255, 196



**Achromatopsia**

240, 240, 240



**Achromatomaly**

235, 245, 224

# CSS Examples

## Text

The CSS property to change the color of the text to RGB 227, 255, 196 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(227, 255, 196)` looks like.

```
.text, #text, p{  
    color:rgb(227, 255, 196)  
}
```

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(227, 255, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 255, 196) }
```

## Border

The CSS property to change the border of an element to RGB 227, 255, 196 is called "border". The border property can be set on classes, ids or directly on the HTML element.

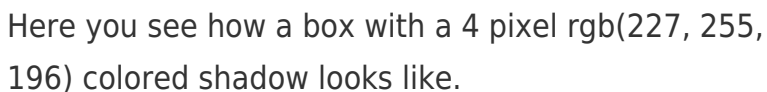
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(227, 255, 196) }
```

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

```
.border{ border-color:rgb(227, 255, 196) }
```

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



Here you see how a box with a 4 pixel `rgb(227, 255, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 255, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 255, 196);  
box-shadow:4px 4px 4px 4px rgb(227, 255,  
196) }
```

# Background

The CSS property to change the background color of an element to RGB 227, 255, 196 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 255, 196) }
```

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

```
.background{ background-color: rgb(227,  
255, 196) }
```

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