Converting Colors

RGB(227, 240, 158)

Have a look what the booklet for RGB(227, 240, 158) contains.

Color

RGB(227, 240, 158)

Conversions

Conversions Part 1

Format	Color
Hex	E3F09E
RGB	227, 240, 158
RGB Percent	89%, 94%, 62%
CMY	0.1098, 0.0588, 0.3804
CMYK	0.05, 0.00, 0.34, 0.06
HSL	70°, 73%, 78%
HSV	70°, 34%, 94%
XYZ	69.0102, 81.1197, 44.3682
YIQ	226.7650, 18.5740, -28.2580

Conversions

Conversions Part 2

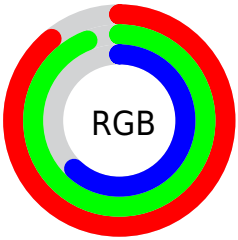
Format	Color
RYB	158, 240, 171
Decimal	14938270
CIELab	92.18, -16.92, 38.25
CIELCh	92, 41.826, 113.861
Yxy	81.1197, 0.3548, 0.4171
Android (android.graphics.Color)	4293128350 (0xFFE3F09E)
YUV	226.7650, -33.9011, 0.2061
Hunter-Lab	90.0665, -20.8471, 33.8393

Details

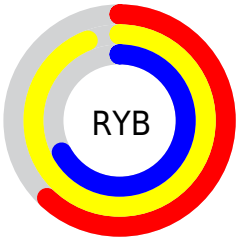
The RGB color 227, 240, 158 is a light color, and the websafe version is hex FFFF99. A complement of this color would be 171, 158, 240, and the grayscale version is 227, 227, 227.

A 20% lighter version of the original color is 255, 255, 213, and 171, 184, 105 is the 20% darker color. If you saturate the color by 10%, you get 223, 240, 134, and if you desaturate by 10%, it is 231, 240, 182.

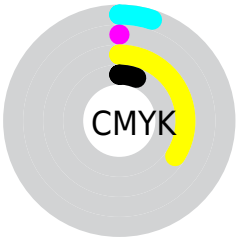
Distribution



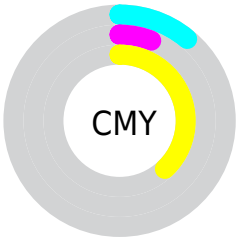
- Red (89%)
- Green (94%)
- Blue (62%)



- Red (62%)
- Yellow (94%)
- Blue (67%)



- Cyan (5%)
- Magenta (0%)
- Yellow (34%)
- Black (6%)



- Cyan (11%)
- Magenta (6%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the RGB color 227, 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 227, 240, 158 by changing the saturation by 10% instead.

227, 240, 158

255, 255, 255

255, 255, 213

255, 255, 242

227, 240, 158

198, 212, 131

171, 184, 105

143, 157, 80

117, 131, 56

91, 106, 32

66, 82, 4

43, 59, 0

18, 37, 0

0, 14, 0

227, 240, 158

223, 240, 134

219, 240, 110

216, 240, 86

212, 240, 62

208, 240, 38

204, 240, 14

202, 240, 0

227, 240, 158

231, 240, 182

235, 240, 206

238, 240, 230

242, 240, 254

246, 240, 255

250, 240, 255

254, 240, 255

255, 240, 255

Harmonies

Analogous

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

255, 227, 153

227, 240, 158

181, 249, 184

Triad

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

227, 240, 158

108, 249, 255

255, 203, 243

Complementary

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

227, 240, 158

171, 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, 211, 255

227, 240, 158

165, 239, 255

Square

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

227, 240, 158

95, 254, 255

226, 225, 255

255, 204, 202

Rectangle

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

227, 240, 158

148, 253, 209

226, 225, 255

255, 205, 255

Sweetspot

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

227, 240, 158

251, 255, 230

240, 170, 158

125, 128, 112

0, 0, 0

128, 128, 128

Same Dimension

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

227, 240, 158

238, 255, 150

187, 240, 158

118, 120, 108

154, 184, 0

47, 56, 0

Inverse Universe

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

171, 158, 240

167, 150, 255

211, 158, 240

110, 108, 120

29, 0, 184

9, 0, 56

Previews

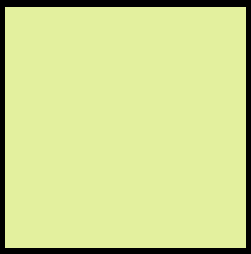
White Background

This preview shows how the RGB color 227, 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



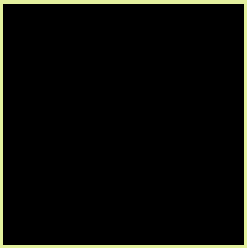
This preview shows how the RGB color 227, 240, 158 looks on a black background.

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 227, 240, 158 Background



This preview shows how black text looks on a background with the RGB color 227, 240, 158.

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

Original Color
227, 240, 158

Protanopia
252, 232, 155

Deuteranopia
255, 228, 202

Tritanopia
238, 229, 247

Trichromacy

Original Color
227, 240, 158

Protanomaly
243, 235, 156

Deuteranomaly
245, 232, 186

Tritanomaly
234, 233, 215

Monochromacy

Original Color
227, 240, 158

Achromatopsia
227, 227, 227

Achromatomaly
227, 232, 202

CSS Examples

Text

The CSS property to change the color of the text to RGB 227, 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(227, 240, 158) looks like.

```
.text, #text, p{
    color:rgb(227, 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(227, 240, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 240, 158) }
```

Border

The CSS property to change the border of an element to RGB 227, 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(227, 240, 158) }
```

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

```
.border{ border-color:rgb(227, 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(227, 240, 158) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(227, 240, 158); -webkit-box-shadow:4px 4px 4px 4px rgb(227, 240, 158); box-shadow:4px 4px 4px 4px rgb(227, 240, 158) }
```

Background

The CSS property to change the background color of an element to RGB 227, 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(227, 240, 158) }
```

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

```
.background{ background-color:rgb(227,
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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