

Converting Colors

RGB(231, 228, 151)

Have a look what the booklet for
RGB(231, 228, 151) contains.

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Color

RGB(231, 228, 151)

Conversions

Conversions Part 1

Format	Color
Hex	E7E497
RGB	231, 228, 151
RGB Percent	91%, 89%, 59%
CMY	0.0941, 0.1059, 0.4078
CMYK	0.00, 0.01, 0.35, 0.09
HSL	58°, 62%, 75%
HSV	58°, 35%, 91%
XYZ	66.2843, 74.7101, 40.2051
YIQ	220.1190, 26.5050, -23.3110

Conversions

Conversions Part 2

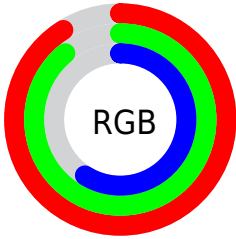
Format	Color
RYB	154, 231, 151
Decimal	15197335
CIELab	89.26, -10.30, 37.99
CIELCh	89, 39.364, 105.162
Yxy	74.7101, 0.3658, 0.4123
Android (android.graphics.Color)	4293387415 (0xFFE7E497)
YUV	220.1190, -34.0757, 9.5426
Hunter-Lab	86.4350, -14.3752, 32.9259

Details

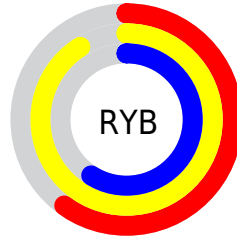
The RGB color **231, 228, 151** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **151, 154, 231**, and the grayscale version is **220, 220, 220**.

A 20% lighter version of the original color is **255, 255, 206**, and **174, 173, 99** is the 20% darker color. If you saturate the color by 10%, you get **231, 227, 128**, and if you desaturate by 10%, it is **231, 229, 174**.

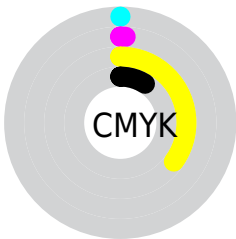
Distribution



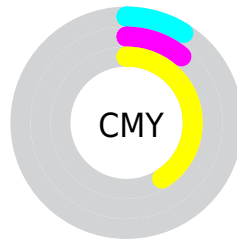
- Red (91%)
- Green (89%)
- Blue (59%)



- Red (60%)
- Yellow (91%)
- Blue (59%)



- Cyan (0%)
- Magenta (1%)
- Yellow (35%)
- Black (9%)




- Cyan (9%)
- Magenta (11%)
- Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the RGB color 231, 228, 151 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 231, 228, 151 by changing the saturation by 10% instead.

 231, 228, 151

255, 255, 255

 255, 255, 206


 255, 255, 234

 231, 228, 151

 202, 200, 125

 174, 173, 99


 147, 146, 74

 120, 121, 50

 94, 96, 25

 69, 72, 0


 46, 50, 0


 21, 29, 0


 0, 0, 0


 231, 228, 151


 231, 228, 151


 231, 227, 128


 231, 229, 174


 231, 226, 105


 231, 230, 197


 231, 225, 82


 231, 231, 220


 231, 225, 59


 231, 231, 243


 231, 224, 35


 231, 232, 255


 231, 223, 12

 231, 233, 255

 231, 222, 0

 231, 234, 255

 231, 235, 255

 231, 236, 255

Harmonies

Analogous

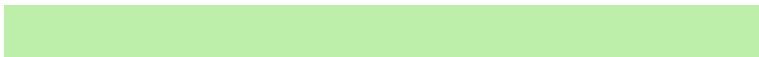
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



255, 216, 152



231, 228, 151



189, 238, 170

Triad

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



231, 228, 151



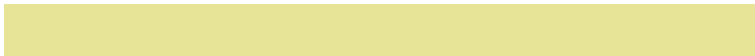
102, 242, 255



255, 198, 245

Complementary

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



231, 228, 151



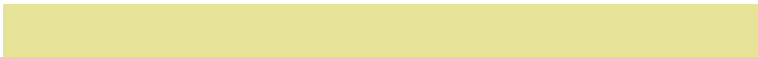
151, 154, 231

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.



253, 208, 255



231, 228, 151



145, 233, 255

Square

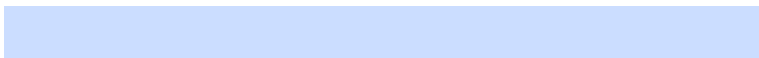
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



231, 228, 151



106, 245, 243



203, 221, 255



255, 196, 206

Rectangle

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



231, 228, 151



159, 242, 192



203, 221, 255



255, 201, 255

Sweetspot

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



231, 228, 151



255, 254, 230



231, 151, 155



128, 127, 112



0, 0, 0



128, 128, 128

Same Dimension

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



231, 228, 151



255, 251, 148



195, 231, 151



115, 114, 103



179, 172, 0



51, 49, 0

Inverse Universe

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



151, 154, 231



148, 152, 255



187, 151, 231



103, 104, 115



0, 7, 179



0, 2, 51

Previews

White Background



This preview shows how the RGB color 231, 228, 151 looks on a white background.

Color Contrast Check

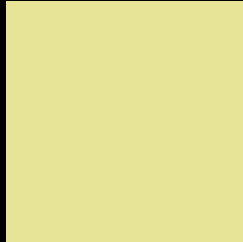
Large Text (above 18pt) WCAG AA × Fail

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 231, 228, 151 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

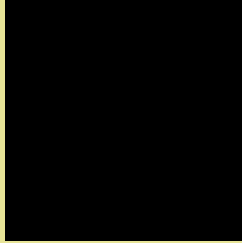
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

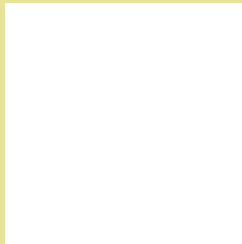
Any Text WCAG AAA ✓ Pass

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

RGB 231, 228, 151 Background



This preview shows how black text looks on a background with the RGB color 231, 228, 151.



This preview shows how white text looks on a background with the RGB color 231, 228, 151.

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

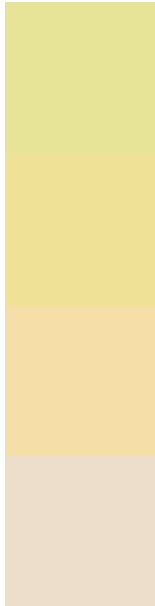




Tritanopia

241, 218, 235

Trichromacy



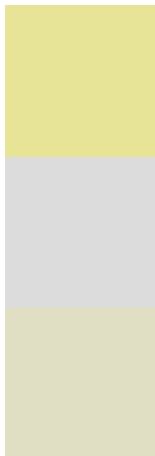
Original Color
231, 228, 151

Protanomaly
239, 225, 150

Deuteranomaly
246, 222, 169

Tritanomaly
237, 222, 204

Monochromacy



Original Color
231, 228, 151

Achromatopsia
220, 220, 220

Achromatomaly
224, 223, 195

CSS Examples

Text

The CSS property to change the color of the text to RGB 231, 228, 151 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(231, 228, 151)` looks like.

```
.text, #text, p{  
    color:rgb(231, 228, 151)  
}
```

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(231, 228, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 228, 151) }
```

Border

The CSS property to change the border of an element to RGB 231, 228, 151 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(231, 228, 151) }
```

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

```
.border{ border-color:rgb(231, 228, 151) }
```

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

Here you see how a box with a 4 pixel rgb(231, 228, 151) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 228, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 228, 151);  
box-shadow:4px 4px 4px 4px rgb(231, 228,  
151) }
```

Background

The CSS property to change the background color of an element to RGB 231, 228, 151 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 228, 151) }
```

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

```
.background{ background-color: rgb(231,  
228, 151) }
```

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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