

Converting Colors

`RYB(231, 199, 128)`

Have a look what the booklet for
RYB(231, 199, 128) contains.

RYB(231, 199, 128)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

R_YB(231, 199, 128)

Conversions

Conversions Part 1

Format	Color
Hex	E7AA80
RGB	231, 170, 128
RGB Percent	91%, 67%, 50%
CMY	0.0941, 0.3332, 0.4980
CMYK	0.00, 0.26, 0.45, 0.09
HSL	24°, 68%, 70%
HSV	24°, 45%, 91%
XYZ	51.2314, 47.3077, 26.8532
YIQ	183.4510, 49.8380, -0.1300

Conversions

Conversions Part 2

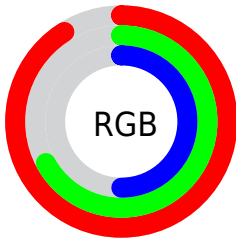
Format	Color
R _Y B	231, 199, 128
Decimal	15182464
CIE Lab	74.39, 17.32, 30.42
CIE LCh	74, 35.001, 60.343
Yxy	47.3077, 0.4086, 0.3773
Android (android.graphics.Color)	4293372544 (0xFFE7AA80)
YUV	183.4510, -27.3373, 41.7005
Hunter-Lab	68.7806, 12.5902, 24.9985

Details

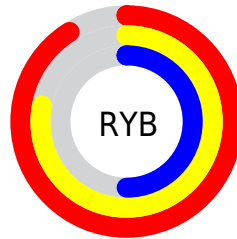
The RYB color **231, 199, 128** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **128, 166, 231**, and the grayscale version is **184, 184, 184**.

A 20% lighter version of the original color is **231, 255, 181**, and **173, 147, 78** is the 20% darker color. If you saturate the color by 10%, you get **231, 191, 105**, and if you desaturate by 10%, it is **231, 207, 151**.

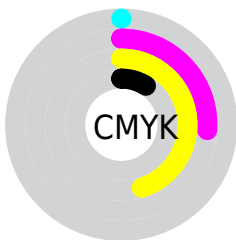
Distribution



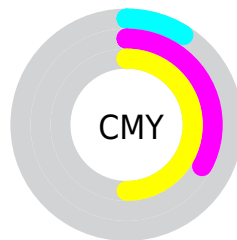
- Red (91%)
- Green (67%)
- Blue (50%)



- Red (91%)
- Yellow (78%)
- Blue (50%)



- Cyan (0%)
- Magenta (26%)
- Yellow (45%)
- Black (9%)



- Cyan (9%)
- Magenta (33%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the RYB color 231, 199, 128 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 RYB color 231, 199, 128 by changing the saturation by 10% instead.

 231, 199, 128

255, 255, 255

 231, 255, 181


 210, 255, 209

 237, 255, 237


 231, 199, 128

 202, 170, 103

 173, 147, 78

 145, 121, 55

 118, 97, 32

 91, 75, 10

 65, 41, 0

 40, 2, 0

 0, 0, 0

 231, 199, 128

 231, 199, 128

■ 231, 191, 105

■ 231, 207, 151

■ 231, 185, 82

■ 231, 213, 174

■ 231, 177, 59

■ 231, 221, 197

■ 231, 169, 36

■ 231, 229, 220

■ 231, 163, 13

■ 231, 235, 243

■ 231, 158, 0

■ 231, 242, 255

■ 231, 243, 255

Harmonies

Analogous

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



245, 162, 152



231, 199, 128



151, 205, 118

Triad

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



231, 199, 128



95, 152, 200



188, 175, 238

Complementary

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



231, 199, 128



128, 166, 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.



140, 172, 247



231, 199, 128



70, 138, 214

Square

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



231, 199, 128



133, 184, 197



91, 152, 238



224, 164, 215

Rectangle

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



231, 199, 128



122, 188, 127



91, 152, 238



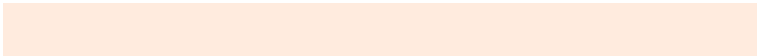
172, 178, 243

Sweetspot

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



231, 199, 128



255, 243, 222



231, 128, 190



128, 120, 107



0, 0, 0



128, 128, 128

Same Dimension

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



231, 199, 128



255, 211, 117



139, 231, 128



115, 112, 103



179, 123, 0



51, 36, 0

Inverse Universe

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



128, 166, 231



117, 168, 255



128, 137, 231



103, 107, 115



0, 67, 179



0, 19, 51

Previews

White Background



This preview shows how the RYB color 231, 199, 128 looks on a white background.

Color Contrast Check

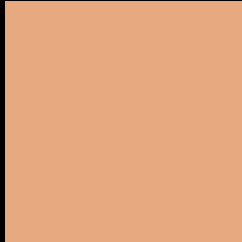
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the RYB color 231, 199, 128 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

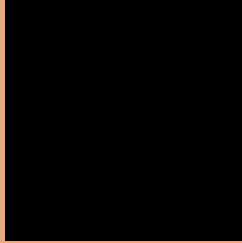
Any Text WCAG AA ✓ Pass

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](#).

RYB 231, 199, 128 Background



This preview shows how black text looks on a background with the RYB color 231, 199, 128.



This preview shows how white text looks on a background with the RYB color 231, 199, 128.

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
231, 199, 128

Protanopia
152, 197, 134

Deuteranopia
211, 219, 127



Tritanopia
235, 164, 176

Trichromacy



Original Color

231, 199, 128

Protanomaly

184, 209, 132

Deuteranomaly

223, 215, 127

Tritanomaly

234, 167, 159

Monochromacy



Original Color

231, 199, 128

Achromatopsia

183, 183, 183

Achromatomaly

200, 188, 163

CSS Examples

Text

The CSS property to change the color of the text to RYB 231, 199, 128 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, 170, 128)` looks like.

```
.text, #text, p{  
    color:rgb(231, 170, 128)  
}
```

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, 170, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 170, 128) }
```

Border

The CSS property to change the border of an element to RYB 231, 199, 128 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, 170, 128) }
```

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

```
.border{ border-color:rgb(231, 170, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 170, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 170, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 170, 128);  
box-shadow:4px 4px 4px 4px rgb(231, 170,  
128) }
```

Background

The CSS property to change the background color of an element to RGB 231, 170, 128 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 170, 128) }
```

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

```
.background{ background-color: rgb(231,  
170, 128) }
```

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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