

Converting Colors

`RYB(227, 197, 137)`

Have a look what the booklet for
RYB(227, 197, 137) contains.

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Color

R_YB(227, 197, 137)

Conversions

Conversions Part 1

Format	Color
Hex	E3AD89
RGB	227, 173, 137
RGB Percent	89%, 68%, 54%
CMY	0.1098, 0.3216, 0.4627
CMYK	0.00, 0.24, 0.40, 0.11
HSL	24°, 62%, 71%
HSV	24°, 40%, 89%
XYZ	51.1375, 48.0242, 30.2413
YIQ	185.0420, 43.7400, 0.2520

Conversions

Conversions Part 2

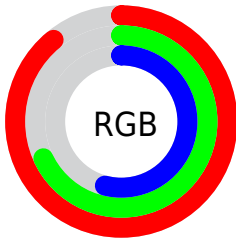
Format	Color
R_{YB}	227, 197, 137
Decimal	14921097
CIE _{Lab}	74.84, 15.11, 26.13
CIE _{LCh}	75, 30.187, 59.958
Yxy	48.0242, 0.3952, 0.3711
Android (android.graphics.Color)	4293111177 (0xFFE3AD89)
YUV	185.0420, -23.6847, 36.7972
Hunter-Lab	69.2995, 10.4447, 22.6364

Details

The RYB color **227, 197, 137** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **137, 171, 227**, and the grayscale version is **185, 185, 185**.

A 20% lighter version of the original color is **235, 255, 191**, and **170, 145, 87** is the 20% darker color. If you saturate the color by 10%, you get **227, 189, 114**, and if you desaturate by 10%, it is **227, 205, 160**.

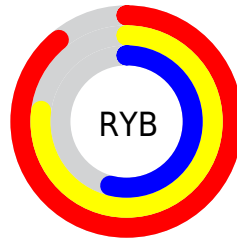
Distribution



Red (89%)

Green (68%)

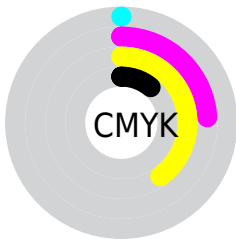
Blue (54%)



Red (89%)

Yellow (77%)

Blue (54%)

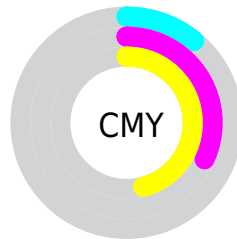


Cyan (0%)

Magenta (24%)

Yellow (40%)

Black (11%)



Cyan (11%)

Magenta (32%)

Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the RYB color 227, 197, 137 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 227, 197, 137 by changing the saturation by 10% instead.

 227, 197, 137


255, 255, 255

 235, 255, 191


 219, 255, 219


 247, 255, 247

 227, 197, 137

 198, 170, 111

 170, 145, 87

 142, 120, 63


 115, 94, 41


 89, 72, 19

 64, 50, 0

 39, 6, 0

 0, 0, 0

 227, 197, 137

 227, 197, 137

■ 227, 189, 114

■ 227, 205, 160

■ 227, 182, 92

■ 227, 212, 182

■ 227, 174, 69

■ 227, 220, 205

■ 227, 168, 46

■ 227, 227, 228

■ 227, 159, 24

■ 227, 236, 251

■ 227, 151, 1

■ 227, 241, 255

■ 227, 152, 0

Harmonies

Analogous

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



239, 167, 158



227, 197, 137



160, 204, 129

Triad

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



227, 197, 137



113, 161, 200



188, 177, 232

Complementary

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



227, 197, 137



137, 171, 227

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.



148, 175, 239



227, 197, 137



97, 151, 211

Square

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



227, 197, 137



142, 186, 197



112, 161, 231



220, 168, 212

Rectangle

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



227, 197, 137



132, 188, 135



112, 161, 231



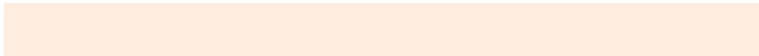
175, 180, 236

Sweetspot

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



227, 197, 137



255, 246, 224



227, 137, 191



128, 121, 110



0, 0, 0



128, 128, 128

Same Dimension

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



227, 197, 137



255, 215, 133



147, 227, 137



115, 112, 103



179, 118, 0



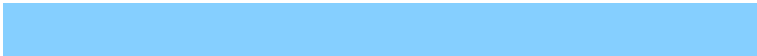
51, 33, 0

Inverse Universe

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



137, 171, 227



133, 179, 255



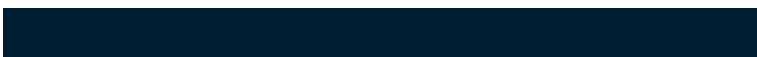
137, 145, 227



103, 107, 115



0, 67, 179



0, 19, 51

Previews

White Background



This preview shows how the RYB color 227, 197, 137 looks on a white background.

Color Contrast Check

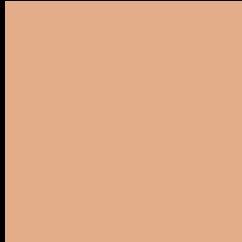
Large Text (above 18pt) WCAG AA × Fail

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 227, 197, 137 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

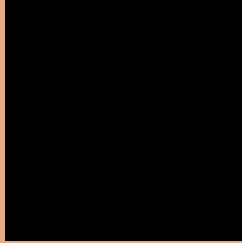
Any Text WCAG AA ✓ Pass

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](#).

R Y B 227, 197, 137 Background



This preview shows how black text looks on a background with the RYB color 227, 197, 137.



This preview shows how white text looks on a background with the RYB color 227, 197, 137.

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, 197, 137

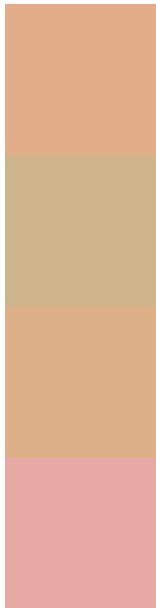
Protanopia
159, 197, 142

Deuteranopia
218, 218, 136



Tritanopia
231, 167, 180

Trichromacy



Original Color
227, 197, 137

Protanomaly
188, 208, 140

Deuteranomaly
221, 212, 136

Tritanomaly
230, 169, 164

Monochromacy



Original Color
227, 197, 137

Achromatopsia
185, 185, 185

Achromatomaly
200, 190, 168

CSS Examples

Text

The CSS property to change the color of the text to RYB 227, 197, 137 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, 173, 137)` looks like.

```
.text, #text, p{  
    color:rgb(227, 173, 137)  
}
```

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, 173, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 173, 137) }
```

Border

The CSS property to change the border of an element to RYB 227, 197, 137 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, 173, 137) }
```

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

```
.border{ border-color:rgb(227, 173, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 173, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 173, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 173, 137);  
box-shadow:4px 4px 4px 4px rgb(227, 173,  
137) }
```

Background

The CSS property to change the background color of an element to RYB 227, 197, 137 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 173, 137) }
```

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

```
.background{ background-color: rgb(227,  
173, 137) }
```

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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