

Converting Colors

`RYB(231, 214, 161)`

Have a look what the booklet for
RYB(231, 214, 161) contains.

RYB(231, 214, 161)	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, 214, 161)

Conversions

Conversions Part 1

Format	Color
Hex	E7BFA1
RGB	231, 191, 161
RGB Percent	91%, 75%, 63%
CMY	0.0941, 0.2503, 0.3686
CMYK	0.00, 0.17, 0.30, 0.09
HSL	26°, 59%, 77%
HSV	26°, 30%, 91%
XYZ	58.0543, 56.8947, 41.6402
YIQ	199.5400, 33.4700, -0.8500

Conversions

Conversions Part 2

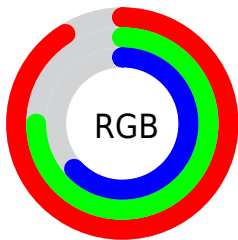
Format	Color
R_{YB}	231, 214, 161
Decimal	15187873
CIE _{Lab}	80.12, 9.92, 20.55
CIE _{LCh}	80, 22.822, 64.239
Yxy	56.8947, 0.3707, 0.3633
Android (android.graphics.Color)	4293377953 (0xFFE7BFA1)
YUV	199.5400, -19.0002, 27.5904
Hunter-Lab	75.4286, 5.3842, 20.0691

Details

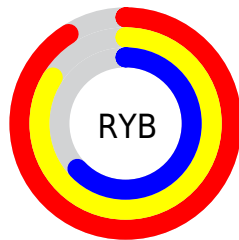
The RYB color **231, 214, 161** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **161, 186, 231**, and the grayscale version is **200, 200, 200**.

A 20% lighter version of the original color is **226, 255, 216**, and **174, 161, 109** is the 20% darker color. If you saturate the color by 10%, you get **231, 208, 138**, and if you desaturate by 10%, it is **231, 219, 184**.

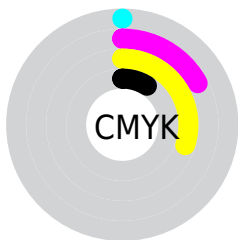
Distribution



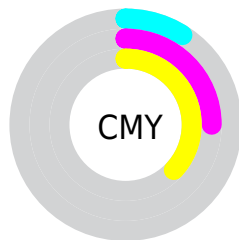
- Red (91%)
- Green (75%)
- Blue (63%)



- Red (91%)
- Yellow (84%)
- Blue (63%)



- Cyan (0%)
- Magenta (17%)
- Yellow (30%)
- Black (9%)




- Cyan (9%)
- Magenta (25%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the RYB color 231, 214, 161 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, 214, 161 by changing the saturation by 10% instead.


 231, 214, 161

255, 255, 255

 225, 255, 216

 244, 255, 244

 231, 214, 161

 202, 186, 135

 174, 161, 109

 147, 133, 85

 120, 111, 61

 95, 88, 39

 70, 63, 18

 46, 42, 0

 22, 0, 0

 0, 0, 0

 231, 214, 161


 231, 214, 161

 231, 208, 138


 231, 219, 184

 231, 203, 115


 231, 224, 207


 231, 198, 92


 230, 231, 230

 231, 192, 69

 231, 239, 253

 231, 185, 45

 231, 243, 255

 231, 180, 22

 231, 176, 0

Harmonies

Analogous

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



242, 188, 176



231, 214, 161



175, 212, 156

Triad

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



231, 214, 161



146, 181, 211



206, 192, 234

Complementary

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



231, 214, 161



161, 186, 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.



178, 194, 241



231, 214, 161



140, 178, 222

Square

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



231, 214, 161



164, 197, 209



153, 185, 236



229, 186, 218

Rectangle

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



231, 214, 161



160, 203, 167



153, 185, 236



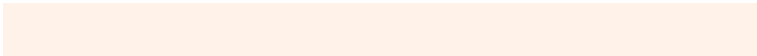
197, 195, 237

Sweetspot

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



231, 214, 161



255, 250, 232



231, 161, 202



128, 126, 113



0, 0, 0



128, 128, 128

Same Dimension

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



231, 214, 161



255, 234, 163



168, 231, 161



115, 112, 103



179, 135, 0



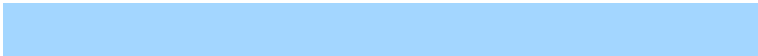
51, 39, 0

Inverse Universe

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



161, 186, 231



163, 196, 255



161, 167, 231



103, 107, 115



0, 65, 179



0, 18, 51

Previews

White Background



This preview shows how the RYB color 231, 214, 161 looks on a white background.

Color Contrast Check

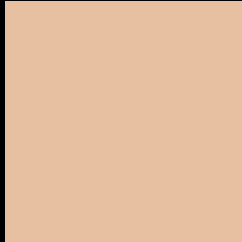
Large Text (above 18pt) WCAG AA × Fail

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, 214, 161 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

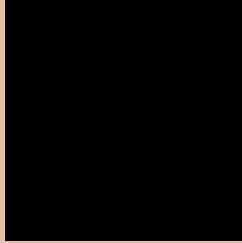
Any Text WCAG AA ✓ Pass

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, 214, 161 Background



This preview shows how black text looks on a background with the RYB color 231, 214, 161.



This preview shows how white text looks on a background with the RYB color 231, 214, 161.

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, 214, 161

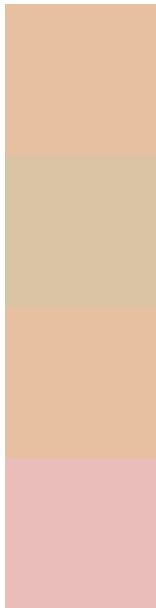
Protanopia
181, 210, 165

Deuteranopia
231, 214, 161



Tritanopia
235, 186, 200

Trichromacy



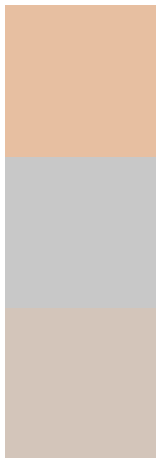
Original Color
231, 214, 161

Protanomaly
201, 218, 164

Deuteranomaly
231, 214, 161

Tritanomaly
234, 188, 186

Monochromacy



Original Color
231, 214, 161

Achromatopsia
200, 200, 200

Achromatomaly
211, 206, 186

CSS Examples

Text

The CSS property to change the color of the text to RYB 231, 214, 161 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, 191, 161)` looks like.

```
.text, #text, p{  
    color:rgb(231, 191, 161)  
}
```

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, 191, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 191, 161) }
```

Border

The CSS property to change the border of an element to RYB 231, 214, 161 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, 191, 161) }
```

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

```
.border{ border-color:rgb(231, 191, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 191, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(231, 191, 161); -webkit-box-shadow:4px 4px 4px 4px rgb(231, 191, 161); box-shadow:4px 4px 4px 4px rgb(231, 191, 161) }
```

Background

The CSS property to change the background color of an element to RYB 231, 214, 161 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 191, 161) }
```

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

```
.background{ background-color: rgb(231,  
191, 161) }
```

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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