

Converting Colors

`RYB(202, 232, 161)`

Have a look what the booklet for
RYB(202, 232, 161) contains.

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Color

R_YB(202, 232, 161)

Conversions

Conversions Part 1

Format	Color
Hex	E8CEA1
RGB	232, 206, 161
RGB Percent	91%, 81%, 63%
CMY	0.0902, 0.1921, 0.3686
CMYK	0.00, 0.11, 0.31, 0.09
HSL	38°, 61%, 77%
HSV	38°, 31%, 91%
XYZ	61.7852, 63.8759, 42.7911
YIQ	208.6440, 29.9410, -8.4830

Conversions

Conversions Part 2

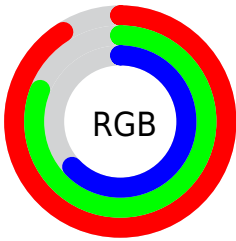
Format	Color
R _Y B	202, 232, 161
Decimal	15257249
CIE Lab	83.90, 2.52, 25.75
CIE LCh	84, 25.870, 84.405
Yxy	63.8759, 0.3668, 0.3792
Android (android.graphics.Color)	4293447329 (0xFFE8CEA1)
YUV	208.6440, -23.4885, 20.4832
Hunter-Lab	79.9224, -1.8722, 24.2014

Details

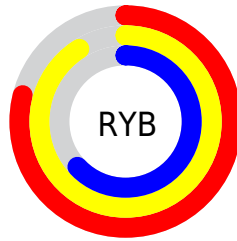
The RYB color **202, 232, 161** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **161, 180, 232**, and the grayscale version is **209, 209, 209**.

A 20% lighter version of the original color is **216, 255, 216**, and **144, 175, 109** is the 20% darker color. If you saturate the color by 10%, you get **191, 232, 138**, and if you desaturate by 10%, it is **210, 232, 184**.

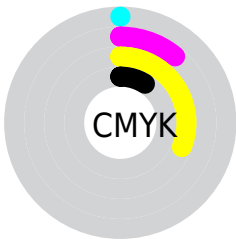
Distribution



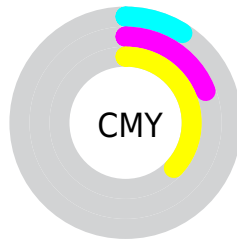
- Red (91%)
- Green (81%)
- Blue (63%)



- Red (79%)
- Yellow (91%)
- Blue (63%)



- Cyan (0%)
- Magenta (11%)
- Yellow (31%)
- Black (9%)



- Cyan (9%)
- Magenta (19%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the RYB color 202, 232, 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 202, 232, 161 by changing the saturation by 10% instead.

 202, 232, 161

255, 255, 255

 216, 255, 216


 245, 255, 245

 202, 232, 161


 172, 203, 135

 144, 175, 109


 118, 148, 84

 93, 122, 61

 66, 96, 38

 40, 71, 17

 22, 48, 0

 21, 23, 0

 0, 0, 0


 202, 232, 161


 202, 232, 161

 191, 232, 138


 210, 232, 184

 183, 232, 115


 221, 232, 207

 171, 232, 91


 232, 231, 231

 163, 232, 68

 232, 238, 254

 152, 232, 45

 232, 241, 255

 144, 232, 22

 232, 244, 255

 134, 232, 0

Harmonies

Analogous

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



251, 213, 170



202, 232, 161



165, 214, 173

Triad

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



202, 232, 161



141, 183, 228



236, 197, 238

Complementary

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



202, 232, 161



161, 180, 232

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.



207, 205, 253



202, 232, 161



148, 190, 248

Square

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



202, 232, 161



154, 194, 223



174, 200, 255



255, 192, 215

Rectangle

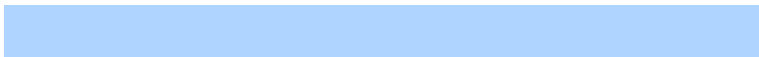
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



202, 232, 161



174, 218, 204



174, 200, 255



228, 199, 244

Sweetspot

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



202, 232, 161



244, 255, 232



232, 161, 187



123, 128, 113



0, 0, 0



128, 128, 128

Same Dimension

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



202, 232, 161



217, 255, 161



161, 232, 170



109, 115, 103



105, 179, 0



30, 51, 0

Inverse Universe

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



161, 180, 232



161, 186, 255



170, 161, 232



103, 106, 115



0, 48, 179



0, 14, 51

Previews

White Background



This preview shows how the RYB color 202, 232, 161 looks on a white background.

Color Contrast Check

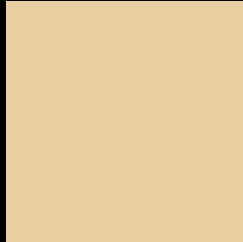
Large Text (above 18pt) WCAG AA × Fail

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 202, 232, 161 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

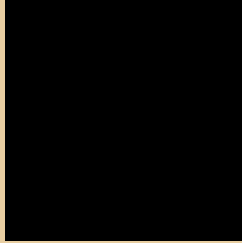
Any Text WCAG AA ✓ Pass

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 202, 232, 161 Background



This preview shows how black text looks on a background with the RYB color 202, 232, 161.



This preview shows how white text looks on a background with the RYB color 202, 232, 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
202, 232, 161

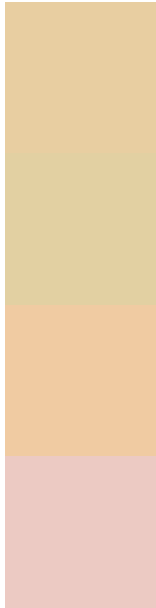
Protanopia
180, 223, 162

Deuteranopia
245, 236, 162



Tritanopia
238, 199, 214

Trichromacy



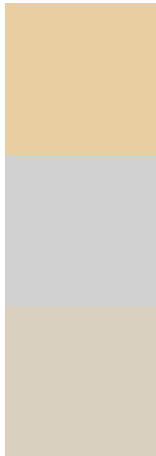
Original Color
202, 232, 161

Protanomaly
187, 226, 162

Deuteranomaly
232, 240, 162

Tritanomaly
236, 203, 195

Monochromacy



Original Color
202, 232, 161

Achromatopsia
209, 209, 209

Achromatomaly
206, 217, 192

CSS Examples

Text

The CSS property to change the color of the text to RYB 202, 232, 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(232, 206, 161)` looks like.

```
.text, #text, p{  
    color:rgb(232, 206, 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(232, 206, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 206, 161) }
```

Border

The CSS property to change the border of an element to RYB 202, 232, 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(232, 206, 161) }
```

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

```
.border{ border-color:rgb(232, 206, 161) }
```

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

Here you see how a box with a 4 pixel rgb(232, 206, 161) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 206, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 206, 161);  
box-shadow:4px 4px 4px 4px rgb(232, 206,  
161) }
```

Background

The CSS property to change the background color of an element to RYB 202, 232, 161 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 206, 161) }
```

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

```
.background{ background-color: rgb(232,  
206, 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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