

Converting Colors

`RYB(202, 228, 200)`

Have a look what the booklet for
RYB(202, 228, 200) contains.

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Color

R_YB(202, 228, 200)

Conversions

Conversions Part 1

Format	Color
Hex	E4E2C8
RGB	228, 226, 200
RGB Percent	89%, 89%, 78%
CMY	0.1059, 0.1132, 0.2157
CMYK	0.00, 0.01, 0.12, 0.11
HSL	56°, 34%, 84%
HSV	56°, 12%, 89%
XYZ	69.6529, 75.1294, 65.4739
YIQ	223.6340, 9.5380, -7.6620

Conversions

Conversions Part 2

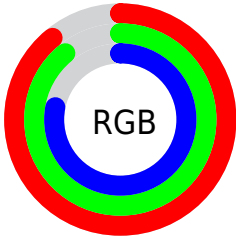
Format	Color
R_{YB}	202, 228, 200
Decimal	15000264
CIE _{Lab}	89.45, -3.76, 13.01
CIE _{LCh}	89, 13.537, 106.106
Yxy	75.1294, 0.3313, 0.3573
Android (android.graphics.Color)	4293190344 (0xFFE4E2C8)
YUV	223.6340, -11.6516, 3.8290
Hunter-Lab	86.6772, -8.2444, 15.8878

Details

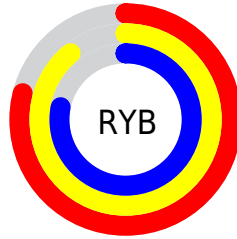
The RYB color **202, 228, 200** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **200, 202, 228**, and the grayscale version is **224, 224, 224**.

A 20% lighter version of the original color is **255, 255, 255**, and **147, 172, 146** is the 20% darker color. If you saturate the color by 10%, you get **180, 228, 177**, and if you desaturate by 10%, it is **223, 228, 223**.

Distribution



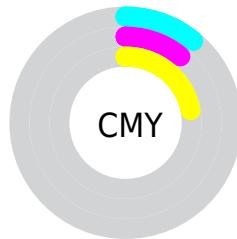
- Red (89%)
- Green (89%)
- Blue (78%)



- Red (79%)
- Yellow (89%)
- Blue (78%)



- Cyan (0%)
- Magenta (1%)
- Yellow (12%)
- Black (11%)



- Cyan (11%)
- Magenta (11%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the RYB color 202, 228, 200 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, 228, 200 by changing the saturation by 10% instead.

■ 202, 228, 200

255, 255, 255

■ 202, 228, 200

■ 175, 200, 173

■ 147, 172, 146

■ 122, 146, 120

■ 96, 120, 95

■ 73, 95, 72

■ 49, 71, 49

■ 29, 49, 28

■ 4, 28, 3

■ 0, 0, 0

 202, 228, 200

 202, 228, 200

 180, 228, 177

 223, 228, 223

 159, 228, 154

 228, 229, 246

 138, 228, 132

 228, 231, 255

 118, 228, 109

 228, 231, 255

 96, 228, 86

 228, 233, 255

 75, 228, 63

 228, 234, 255

 54, 228, 40

 228, 235, 255

 33, 228, 18

 228, 235, 255

 16, 228, 0

 228, 236, 255

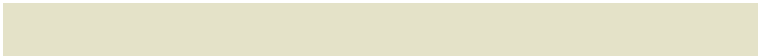
Harmonies

Analogous

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



235, 241, 200



202, 228, 200



207, 230, 224

Triad

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



202, 228, 200



194, 215, 243



248, 217, 231

Complementary

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



202, 228, 200



200, 202, 228

Split Complementary

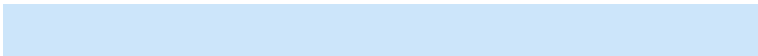
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



236, 219, 243



202, 228, 200



204, 220, 250

Square

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



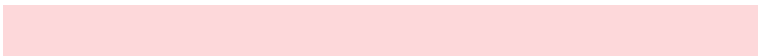
202, 228, 200



193, 214, 233



220, 224, 249



253, 216, 218

Rectangle

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



202, 228, 200



204, 225, 232



220, 224, 249



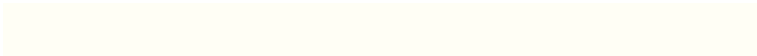
244, 217, 236

Sweetspot

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



202, 228, 200



246, 255, 245



228, 200, 202



122, 128, 121



0, 0, 0



128, 128, 128

Same Dimension

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



202, 228, 200



220, 255, 217



200, 228, 212



104, 115, 103



13, 179, 0



3, 51, 0

Inverse Universe

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



200, 202, 228



217, 219, 255



212, 200, 228



103, 104, 115



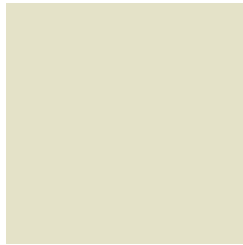
0, 11, 179



0, 3, 51

Previews

White Background



This preview shows how the RYB color 202, 228, 200 looks on a white background.

Color Contrast Check

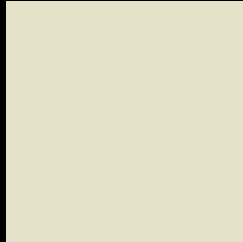
Large Text (above 18pt) WCAG AA × Fail

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, 228, 200 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

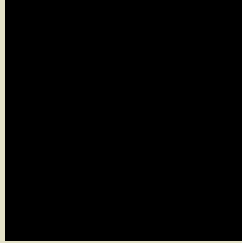
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

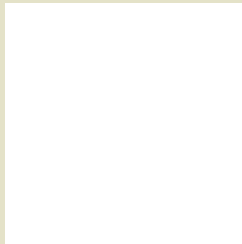
Any Text WCAG AAA ✓ Pass

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

RYB 202, 228, 200 Background



This preview shows how black text looks on a background with the RYB color 202, 228, 200.

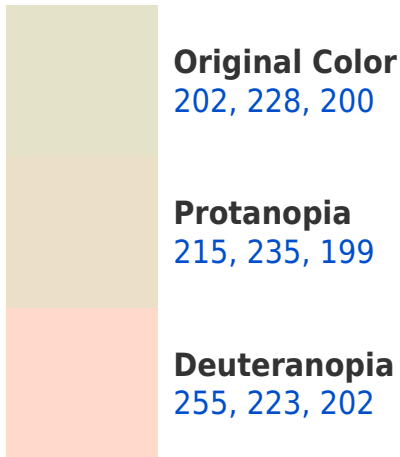


This preview shows how white text looks on a background with the RYB color 202, 228, 200.

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](#).

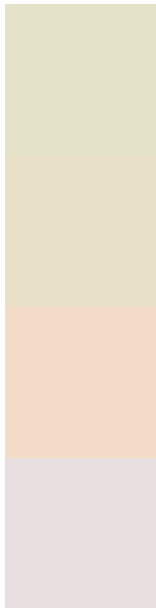
Dichromacy





Tritanopia
233, 221, 238

Trichromacy



Original Color

202, 228, 200

Protanomaly

208, 232, 199

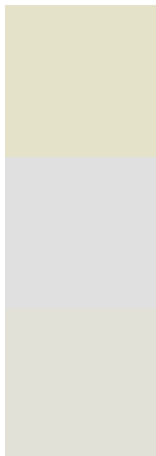
Deuteranomaly

245, 234, 201

Tritanomaly

231, 223, 224

Monochromacy



Original Color

202, 228, 200

Achromatopsia

224, 224, 224

Achromatomaly

215, 225, 215

CSS Examples

Text

The CSS property to change the color of the text to RYB 202, 228, 200 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(228, 226, 200)` looks like.

```
.text, #text, p{  
    color:rgb(228, 226, 200)  
}
```

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(228, 226, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 226, 200) }
```

Border

The CSS property to change the border of an element to RYB 202, 228, 200 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(228, 226, 200) }
```

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

```
.border{ border-color:rgb(228, 226, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 226, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 226, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 226, 200);  
box-shadow:4px 4px 4px 4px rgb(228, 226,  
200) }
```

Background

The CSS property to change the background color of an element to RYB 202, 228, 200 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 226, 200) }
```

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

```
.background{ background-color: rgb(228,  
226, 200) }
```

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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