

Converting Colors

`RYB(221, 238, 231)`

Have a look what the booklet for
RYB(221, 238, 231) contains.

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Color

R_YB(221, 238, 231)

Conversions

Conversions Part 1

Format	Color
Hex	E4EEDD
RGB	228, 238, 221
RGB Percent	89%, 93%, 87%
CMY	0.1059, 0.0667, 0.1333
CMYK	0.04, 0.00, 0.07, 0.07
HSL	95°, 33%, 90%
HSV	95°, 7%, 93%
XYZ	75.6206, 82.8635, 80.4152
YIQ	233.0720, -0.5030, -7.4070

Conversions

Conversions Part 2

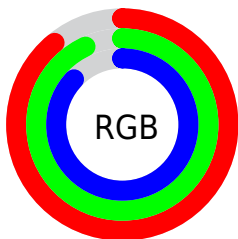
Format	Color
R_{YB}	221, 238, 231
Decimal	15003357
CIE Lab	92.95, -6.32, 7.07
CIE LCh	93, 9.486, 131.807
Yxy	82.8635, 0.3165, 0.3469
Android (android.graphics.Color)	4293193437 (0xFFE4EEDD)
YUV	233.0720, -5.9515, -4.4481
Hunter-Lab	91.0294, -11.0167, 11.3439

Details

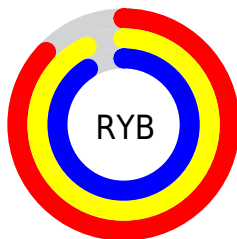
The RYB color **221, 238, 231** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **231, 221, 238**, and the grayscale version is **233, 233, 233**.

A 20% lighter version of the original color is 255, 255, 255, and **166, 182, 175** is the 20% darker color. If you saturate the color by 10%, you get **197, 238, 221**, and if you desaturate by 10%, it is **242, 238, 245**.

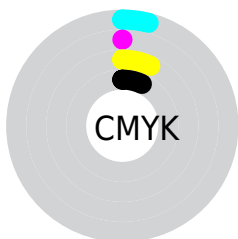
Distribution



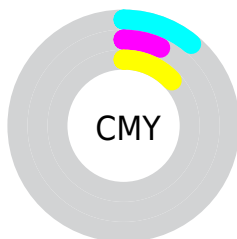
- Red (89%)
- Green (93%)
- Blue (87%)



- Red (87%)
- Yellow (93%)
- Blue (91%)



- Cyan (4%)
- Magenta (0%)
- Yellow (7%)
- Black (7%)



- Cyan (11%)
- Magenta (7%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the RYB color 221, 238, 231 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 221, 238, 231 by changing the saturation by 10% instead.

■ 221, 238, 231

255, 255, 255

■ 221, 238, 231

■ 193, 210, 203

■ 166, 182, 175

■ 140, 155, 149

■ 114, 129, 123

■ 90, 104, 99

■ 66, 80, 74

■ 44, 57, 52

■ 24, 36, 32

■ 0, 15, 15

 221, 238, 231

 221, 238, 231

 197, 238, 221

 242, 238, 245

 173, 238, 211

 255, 238, 255

 150, 238, 202

 126, 238, 192

 102, 238, 182

 78, 238, 172

 54, 238, 162

 31, 238, 153

 7, 238, 143

Harmonies

Analogous

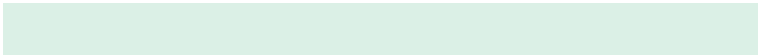
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



222, 239, 217



221, 238, 231



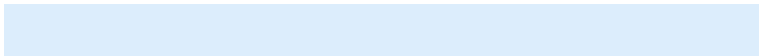
219, 233, 240

Triad

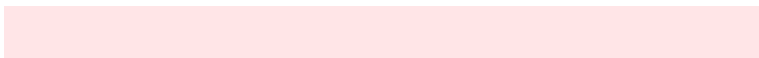
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



221, 238, 231



220, 231, 252



255, 229, 231

Complementary

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



221, 238, 231



231, 221, 238

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.



250, 229, 241



221, 238, 231



230, 233, 252

Square

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



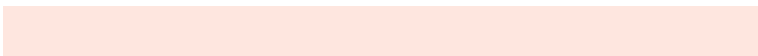
221, 238, 231



213, 228, 247



241, 231, 248



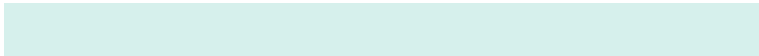
254, 232, 223

Rectangle

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



221, 238, 231



214, 228, 240



241, 231, 248



254, 229, 234

Sweetspot

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



221, 238, 231



250, 255, 253



233, 238, 221



125, 128, 127



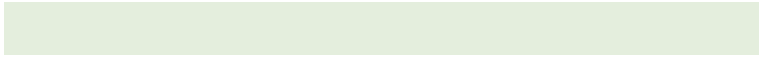
0, 0, 0



128, 128, 128

Same Dimension

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



221, 238, 231



232, 255, 245



221, 237, 238



108, 120, 115



0, 184, 108



0, 56, 33

Inverse Universe

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



231, 221, 238



246, 232, 255



238, 221, 237



115, 108, 120



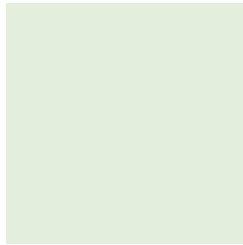
108, 0, 184



33, 0, 56

Previews

White Background



This preview shows how the RYB color 221, 238, 231 looks on a white background.

Color Contrast Check

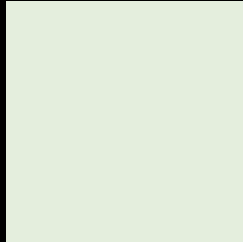
Large Text (above 18pt) WCAG AA × Fail

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 221, 238, 231 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

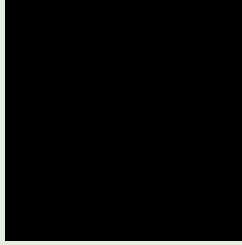
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

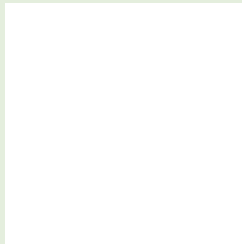
Any Text WCAG AAA ✓ Pass

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

RYB 221, 238, 231 Background



This preview shows how black text looks on a background with the RYB color 221, 238, 231.



This preview shows how white text looks on a background with the RYB color 221, 238, 231.

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](#).

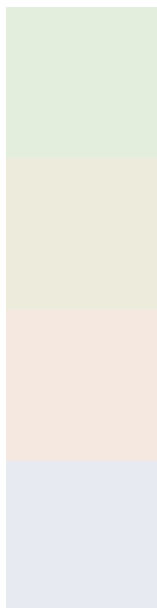
Dichromacy





Tritanopia
233, 233, 252

Trichromacy



Original Color

221, 238, 231

Protanomaly

222, 237, 220

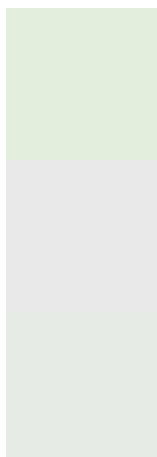
Deuteranomaly

245, 237, 224

Tritanomaly

231, 234, 241

Monochromacy



Original Color

221, 238, 231

Achromatopsia

233, 233, 233

Achromatomaly

229, 235, 233

CSS Examples

Text

The CSS property to change the color of the text to RYB 221, 238, 231 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, 238, 221)` looks like.

```
.text, #text, p{  
    color:rgb(228, 238, 221)  
}
```

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, 238, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 238, 221) }
```

Border

The CSS property to change the border of an element to RYB 221, 238, 231 is called "border". The border property can be set on classes, ids or directly on the HTML element.

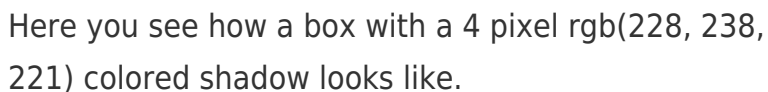
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(228, 238, 221) }
```

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

```
.border{ border-color:rgb(228, 238, 221) }
```

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



Here you see how a box with a 4 pixel `rgb(228, 238, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(228, 238, 221); -webkit-box-shadow:4px 4px 4px 4px rgb(228, 238, 221); box-shadow:4px 4px 4px 4px rgb(228, 238, 221) }
```

Background

The CSS property to change the background color of an element to RGB 228, 238, 221 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 238, 221) }
```

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

```
.background{ background-color: rgb(228,  
238, 221) }
```

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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