

# Converting Colors

RYB(222, 232, 234)

Have a look what the booklet for RYB(222, 232, 234) contains.

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# **Color**

**R<sub>Y</sub>B(222, 232, 234)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DEEAE0
RGB	222, 234, 224
RGB Percent	87%, 92%, 88%
CMY	0.1294, 0.0824, 0.1200
CMYK	0.05, 0.00, 0.04, 0.08
HSL	132°, 22%, 89%
HSV	132°, 5%, 92%
XYZ	73.0559, 79.7788, 82.3542
YIQ	229.2720, -3.9420, -5.6540

# Conversions

## Conversions Part 2

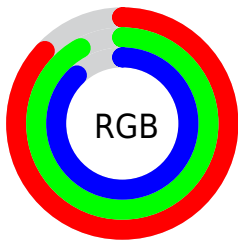
Format	Color
R <sub>Y</sub> B	222, 232, 234
Decimal	14609120
CIE Lab	91.59, -5.72, 3.27
CIE LCh	92, 6.588, 150.256
Yxy	79.7788, 0.3106, 0.3392
Android (android.graphics.Color)	4292799200 (0xFFDEEAE0)
YUV	229.2720, -2.5991, -6.3775
Hunter-Lab	89.3190, -10.3092, 7.8565

# Details

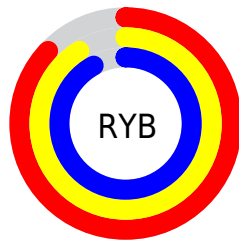
The RYB color **222, 232, 234** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **234, 222, 232**, and the grayscale version is **229, 229, 229**.

A 20% lighter version of the original color is 255, 255, 255, and **167, 176, 178** is the 20% darker color. If you saturate the color by 10%, you get **199, 228, 234**, and if you desaturate by 10%, it is **245, 234, 243**.

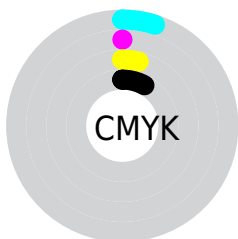
# Distribution



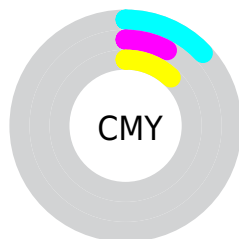
- Red (87%)
- Green (92%)
- Blue (88%)



- Red (87%)
- Yellow (91%)
- Blue (92%)



- Cyan (5%)
- Magenta (0%)
- Yellow (4%)
- Black (8%)



- Cyan (13%)
- Magenta (8%)
- Yellow (12%)

# Brightness & Saturation Gradients

These gradients show how the RYB color 222, 232, 234 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 222, 232, 234 by changing the saturation by 10% instead.



■ 222, 232, 234

255, 255, 255

■ 222, 232, 234

■ 194, 204, 206

■ 167, 176, 178

■ 141, 150, 152

■ 115, 124, 126

■ 90, 99, 101

■ 67, 75, 77

■ 45, 52, 54

■ 24, 31, 33

■ 0, 10, 10

 222, 232, 234

 222, 232, 234

 199, 228, 234

 245, 234, 243

 175, 224, 234

 255, 234, 255

 152, 221, 234


 128, 216, 234

 105, 212, 234

 82, 209, 234

 58, 205, 234

 35, 201, 234

 11, 197, 234

# Harmonies

## Analogous

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



220, 232, 223



222, 232, 234



217, 227, 235

# Triad

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



222, 232, 234



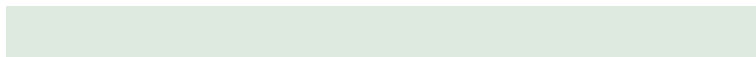
225, 230, 243



245, 227, 225

# Complementary

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



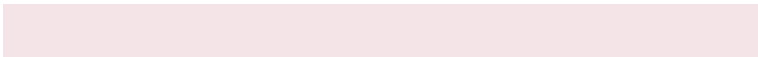
222, 232, 234



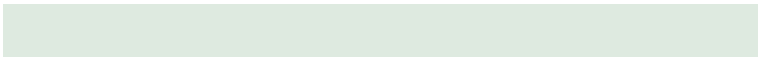
234, 222, 232

# 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.



244, 227, 231



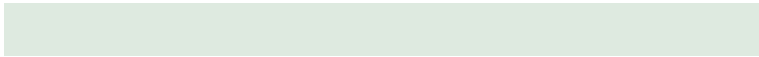
222, 232, 234



232, 229, 242

# Square

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



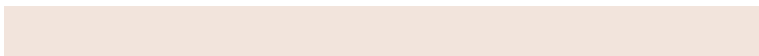
222, 232, 234



219, 228, 242



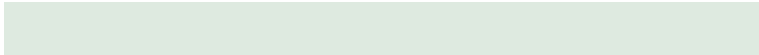
239, 228, 237



242, 233, 220

# Rectangle

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



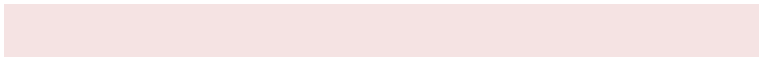
222, 232, 234



216, 226, 235



239, 228, 237



245, 227, 227



# Sweetspot

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



222, 232, 234



250, 254, 255



222, 234, 224



125, 128, 128



0, 0, 0



128, 128, 128



# Same Dimension

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



222, 232, 234



240, 253, 255



222, 229, 234



109, 115, 117



0, 151, 181



0, 45, 54



# Inverse Universe

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



234, 222, 232



255, 240, 252



234, 222, 226



117, 109, 116



181, 0, 145

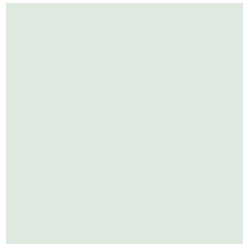


54, 0, 43



# Previews

## White Background



This preview shows how the RYB color 222, 232, 234 looks on a white background.

## Color Contrast Check

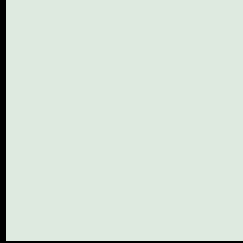
Large Text (above 18pt) WCAG AA × Fail

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 222, 232, 234 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

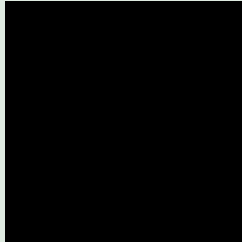
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

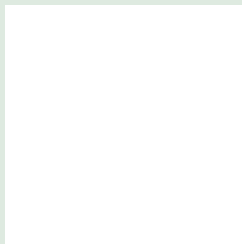
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## **RYB 222, 232, 234 Background**



This preview shows how black text looks on a background with the RYB color 222, 232, 234.

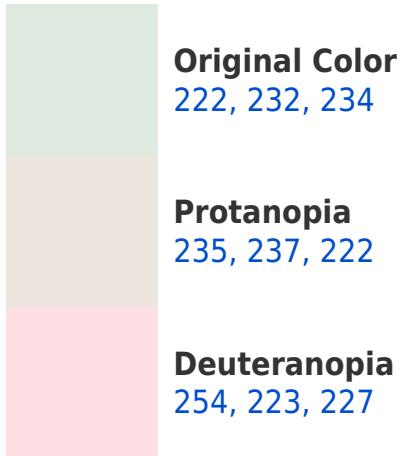


This preview shows how white text looks on a background with the RYB color 222, 232, 234.

# 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](#).

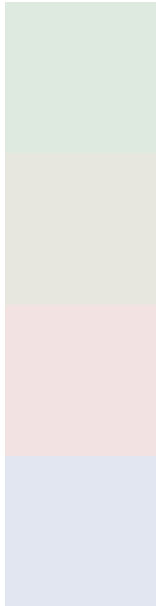
## Dichromacy





**Tritanopia**  
226, 229, 249

# Trichromacy



**Original Color**

222, 232, 234

**Protanomaly**

224, 232, 223

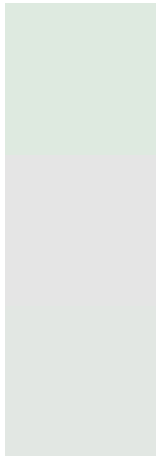
**Deuteranomaly**

242, 227, 226

**Tritanomaly**

225, 229, 240

# Monochromacy



**Original Color**

222, 232, 234

**Achromatopsia**

229, 229, 229

**Achromatomaly**

226, 230, 231

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 222, 232, 234 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(222, 234, 224) looks like.

```
.text, #text, p{  
    color:rgb(222, 234, 224)  
}
```

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(222, 234, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 234, 224) }
```

## Border

The CSS property to change the border of an element to RYB 222, 232, 234 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(222, 234, 224) }
```

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

```
.border{ border-color:rgb(222, 234, 224) }
```

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

Here you see how a box with a 4 pixel rgb(222, 234, 224) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 234, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 234, 224);  
box-shadow:4px 4px 4px 4px rgb(222, 234,  
224) }
```

# Background

The CSS property to change the background color of an element to RYB 222, 232, 234 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 234, 224) }
```

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

```
.background{ background-color: rgb(222,  
234, 224) }
```

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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