

Converting Colors

`RYB(222, 231, 236)`

Have a look what the booklet for
RYB(222, 231, 236) contains.

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Color

RYB(222, 231, 236)

Conversions

Conversions Part 1

Format	Color
Hex	DEECE6
RGB	222, 236, 230
RGB Percent	87%, 93%, 90%
CMY	0.1294, 0.0745, 0.0989
CMYK	0.06, 0.00, 0.03, 0.07
HSL	153°, 27%, 90%
HSV	153°, 6%, 93%
XYZ	74.3714, 81.2212, 86.4569
YIQ	231.1300, -6.4180, -4.8340

Conversions

Conversions Part 2

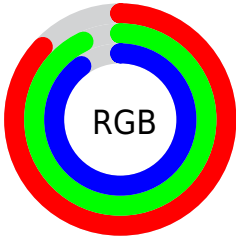
Format	Color
R _Y B	222, 231, 236
Decimal	14609638
CIE Lab	92.23, -5.77, 1.40
CIE LCh	92, 5.933, 166.327
Yxy	81.2212, 0.3073, 0.3356
Android (android.graphics.Color)	4292799718 (0xFFDEECE6)
YUV	231.1300, -0.5571, -8.0070
Hunter-Lab	90.1228, -10.4126, 6.2077

Details

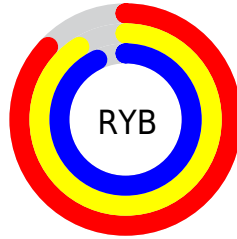
The RYB color **222, 231, 236** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **236, 222, 228**, and the grayscale version is **231, 231, 231**.

A 20% lighter version of the original color is 255, 255, 255, and **167, 175, 180** is the 20% darker color. If you saturate the color by 10%, you get **198, 222, 236**, and if you desaturate by 10%, it is **246, 236, 240**.

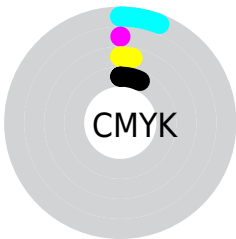
Distribution



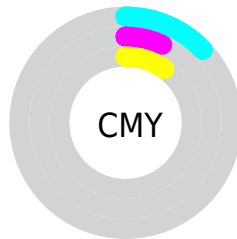
- Red (87%)
- Green (93%)
- Blue (90%)



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



- Cyan (6%)
- Magenta (0%)
- Yellow (3%)
- Black (7%)



- Cyan (13%)
- Magenta (7%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the RYB color 222, 231, 236 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, 231, 236 by changing the saturation by 10% instead.

■ 222, 231, 236

255, 255, 255

■ 222, 231, 236

■ 194, 203, 208

■ 167, 175, 180

■ 140, 148, 153

■ 115, 123, 127

■ 90, 98, 102

■ 67, 74, 78

■ 45, 52, 56

■ 24, 30, 34

■ 0, 9, 12

 222, 231, 236

 222, 231, 236

 198, 222, 236

 246, 236, 240

 175, 214, 236

 255, 236, 251


 151, 206, 236


 255, 236, 255


 128, 197, 236

 104, 189, 236

 80, 180, 236

 57, 172, 236

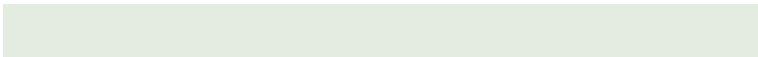
 33, 163, 236

 10, 156, 236

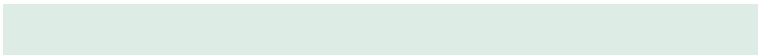
Harmonies

Analogous

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



225, 235, 232



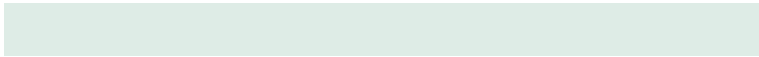
222, 231, 236



219, 228, 236

Triad

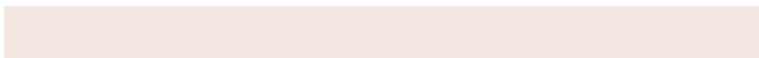
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



222, 231, 236



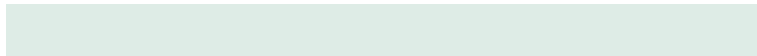
231, 232, 244



244, 232, 225

Complementary

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



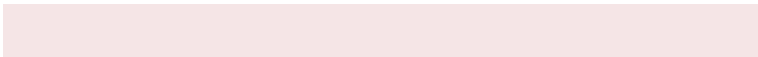
222, 231, 236



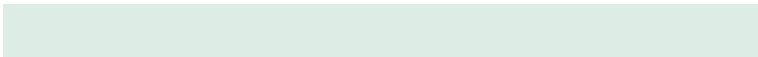
236, 222, 228

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.



245, 229, 230



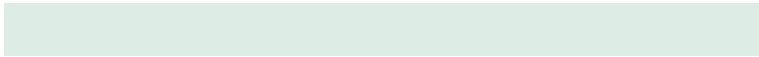
222, 231, 236



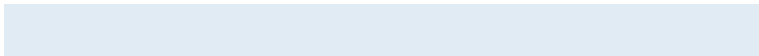
238, 230, 241

Square

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



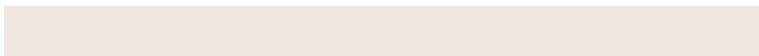
222, 231, 236



224, 231, 244



243, 229, 236



240, 240, 222

Rectangle

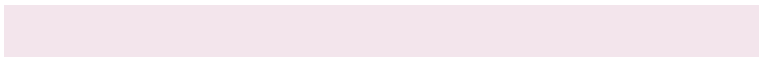
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



222, 231, 236



219, 228, 239



243, 229, 236



245, 230, 226

Sweetspot

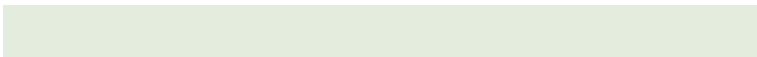
The Sweet Spot groups the original color and five complimentary colors.



222, 231, 236



250, 253, 255



222, 236, 230



125, 127, 128



0, 0, 0



128, 128, 128

Same Dimension

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



222, 231, 236



237, 249, 255



222, 229, 236



108, 114, 117



0, 116, 181



0, 35, 54

Inverse Universe

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



236, 222, 228



255, 237, 245



236, 223, 222



117, 108, 112



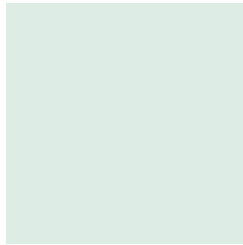
181, 0, 80



54, 0, 24

Previews

White Background



This preview shows how the RYB color 222, 231, 236 looks on a white background.

Color Contrast Check

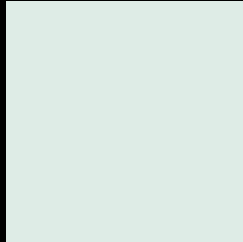
Large Text (above 18pt) WCAG AA × Fail

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, 231, 236 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

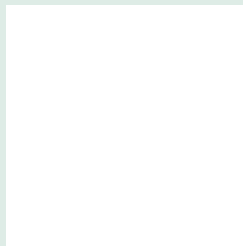
Any Text WCAG AAA ✓ Pass

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

RYB 222, 231, 236 Background



This preview shows how black text looks on a background with the RYB color 222, 231, 236.



This preview shows how white text looks on a background with the RYB color 222, 231, 236.

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](#).

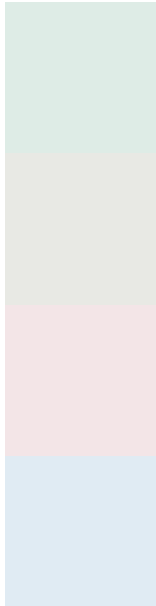
Dichromacy





Tritanopia
225, 231, 251

Trichromacy



Original Color

222, 231, 236

Protanomaly

228, 233, 229

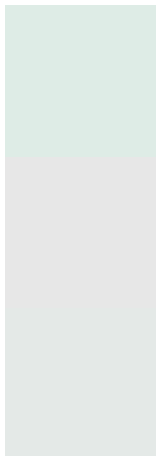
Deuteranomaly

243, 229, 231

Tritanomaly

224, 231, 243

Monochromacy



Original Color

222, 231, 236

Achromatopsia

231, 231, 231

Achromatomaly

228, 231, 233

CSS Examples

Text

The CSS property to change the color of the text to RYB 222, 231, 236 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, 236, 230)` looks like.

```
.text, #text, p{  
    color:rgb(222, 236, 230)  
}
```

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, 236, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 236, 230) }
```

Border

The CSS property to change the border of an element to RYB 222, 231, 236 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, 236, 230) }
```

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

```
.border{ border-color:rgb(222, 236, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 236, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 236, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 236, 230);  
box-shadow:4px 4px 4px 4px rgb(222, 236,  
230) }
```

Background

The CSS property to change the background color of an element to RYB 222, 231, 236 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 236, 230) }
```

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

```
.background{ background-color: rgb(222,  
236, 230) }
```

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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