

Converting Colors

`RYB(235, 237, 222)`

Have a look what the booklet for
RYB(235, 237, 222) contains.

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Color

RYB(235, 237, 222)

Conversions

Conversions Part 1

Format	Color
Hex	EDE6DE
RGB	237, 230, 222
RGB Percent	93%, 90%, 87%
CMY	0.0706, 0.0979, 0.1294
CMYK	0.00, 0.03, 0.06, 0.07
HSL	32°, 29%, 90%
HSV	32°, 6%, 93%
XYZ	76.4166, 79.8920, 80.5003
YIQ	231.1810, 6.7400, -1.0040

Conversions

Conversions Part 2

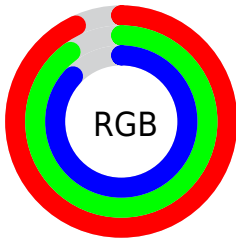
Format	Color
R _Y B	235, 237, 222
Decimal	15591134
CIE Lab	91.64, 0.98, 4.73
CIE LCh	92, 4.834, 78.315
Yxy	79.8920, 0.3227, 0.3374
Android (android.graphics.Color)	4293781214 (0xFFE6DE)
YUV	231.1810, -4.5262, 5.1033
Hunter-Lab	89.3823, -3.8120, 9.1693

Details

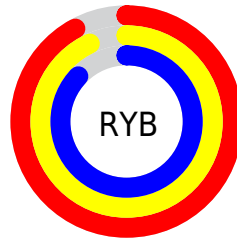
The RYB color **235, 237, 222** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **222, 227, 237**, and the grayscale version is **231, 231, 231**.

A 20% lighter version of the original color is 255, 255, 255, and **178, 181, 167** is the 20% darker color. If you saturate the color by 10%, you get **231, 237, 198**, and if you desaturate by 10%, it is **237, 240, 246**.

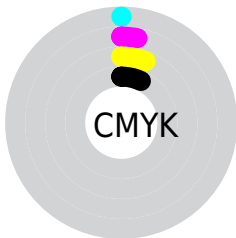
Distribution



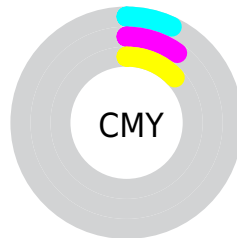
- Red (93%)
- Green (90%)
- Blue (87%)



- Red (92%)
- Yellow (93%)
- Blue (87%)



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



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

Brightness & Saturation Gradients

These gradients show how the RYB color 235, 237, 222 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 235, 237, 222 by changing the saturation by 10% instead.

■ 235, 237, 222

255, 255, 255

■ 235, 237, 222

■ 207, 209, 194

■ 178, 181, 167

■ 152, 154, 141

■ 126, 128, 115

■ 103, 103, 91

■ 76, 79, 67


■ 54, 56, 45

■ 33, 35, 24

■ 12, 9, 0

 235, 237, 222

 235, 237, 222

 231, 237, 198

 237, 240, 246

 229, 237, 175


 237, 245, 255


 226, 237, 151

 237, 246, 255

 222, 237, 127

 218, 237, 103

 216, 237, 80

 213, 237, 56

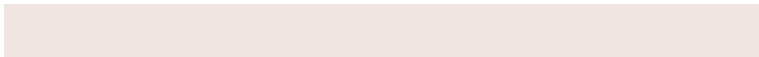
 209, 237, 32

 207, 237, 9

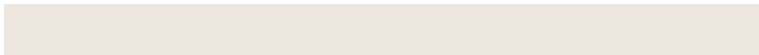
Harmonies

Analogous

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



240, 231, 224



235, 237, 222



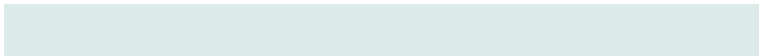
222, 232, 222

Triad

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



235, 237, 222



220, 227, 234



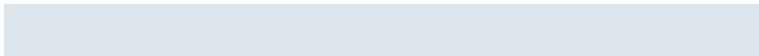
235, 229, 237

Complementary

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



235, 237, 222



222, 227, 237

Split Complementary

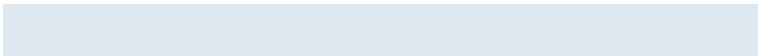
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



230, 230, 240



235, 237, 222



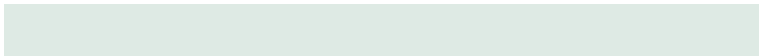
221, 228, 238

Square

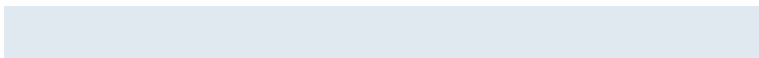
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



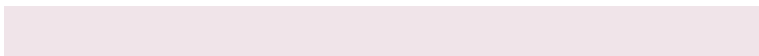
235, 237, 222



222, 230, 234



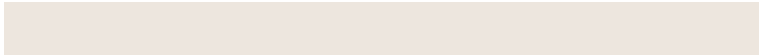
225, 230, 240



240, 228, 233

Rectangle

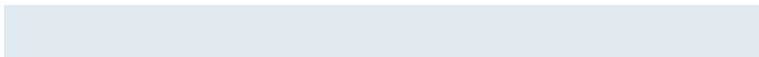
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



235, 237, 222



224, 233, 229



225, 230, 240



234, 229, 238

Sweetspot

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



235, 237, 222



253, 255, 250



237, 222, 229



128, 127, 125



0, 0, 0



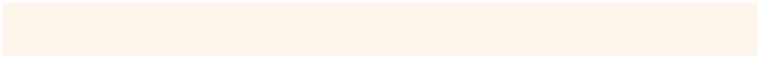
128, 128, 128

Same Dimension

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



235, 237, 222



251, 255, 235



222, 237, 223



115, 117, 106



157, 181, 0



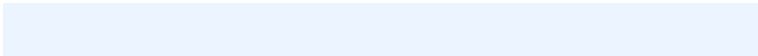
47, 54, 0

Inverse Universe

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



222, 227, 237



235, 241, 255



222, 222, 237



106, 109, 117



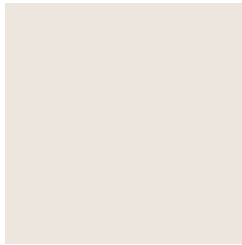
0, 57, 181



0, 17, 54

Previews

White Background



This preview shows how the RYB color 235, 237, 222 looks on a white background.

Color Contrast Check

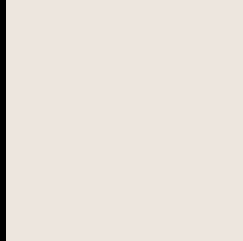
Large Text (above 18pt) WCAG AA × Fail

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 235, 237, 222 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

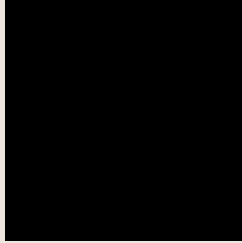
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

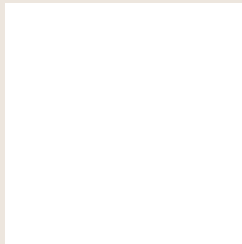
Any Text WCAG AAA ✓ Pass

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

RYB 235, 237, 222 Background



This preview shows how black text looks on a background with the RYB color 235, 237, 222.

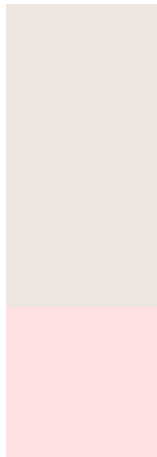


This preview shows how white text looks on a background with the RYB color 235, 237, 222.

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
235, 237, 222

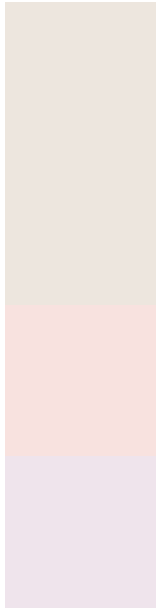
Protanopia
235, 237, 222

Deuteranopia
255, 224, 224



Tritanopia
240, 227, 244

Trichromacy



Original Color

235, 237, 222

Protanomaly

235, 237, 222

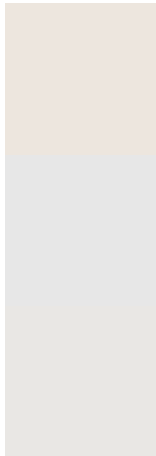
Deuteranomaly

248, 226, 223

Tritanomaly

239, 228, 236

Monochromacy



Original Color

235, 237, 222

Achromatopsia

231, 231, 231

Achromatomaly

231, 233, 228

CSS Examples

Text

The CSS property to change the color of the text to RYB 235, 237, 222 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(237, 230, 222) looks like.

```
.text, #text, p{  
    color:rgb(237, 230, 222)  
}
```

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(237, 230, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 230, 222) }
```

Border

The CSS property to change the border of an element to RYB 235, 237, 222 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(237, 230, 222) }
```

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

```
.border{ border-color:rgb(237, 230, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 230, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(237, 230, 222); -webkit-box-shadow:4px 4px 4px 4px rgb(237, 230, 222); box-shadow:4px 4px 4px 4px rgb(237, 230, 222) }
```

Background

The CSS property to change the background color of an element to RYB 235, 237, 222 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 230, 222) }
```

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

```
.background{ background-color: rgb(237,  
230, 222) }
```

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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