

Converting Colors

`RYB(222, 230, 221)`

Have a look what the booklet for
RYB(222, 230, 221) contains.

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Color

R_YB(222, 230, 221)

Conversions

Conversions Part 1

Format	Color
Hex	E6E5DD
RGB	230, 229, 221
RGB Percent	90%, 90%, 87%
CMY	0.0980, 0.1016, 0.1333
CMYK	0.00, 0.00, 0.04, 0.10
HSL	54°, 15%, 88%
HSV	54°, 4%, 90%
XYZ	73.7313, 78.1374, 79.6026
YIQ	228.3870, 3.1640, -2.2760

Conversions

Conversions Part 2

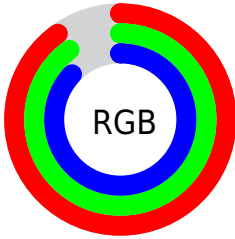
Format	Color
R_{YB}	222, 230, 221
Decimal	15132125
CIE Lab	90.84, -1.11, 4.04
CIE LCh	91, 4.190, 105.371
Yxy	78.1374, 0.3185, 0.3376
Android (android.graphics.Color)	4293322205 (0xFFE6E5DD)
YUV	228.3870, -3.6418, 1.4146
Hunter-Lab	88.3954, -5.8037, 8.4844

Details

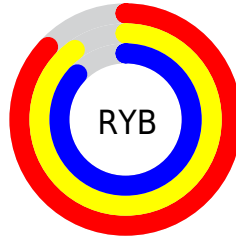
The RYB color **222, 230, 221** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **221, 222, 230**, and the grayscale version is **228, 228, 228**.

A 20% lighter version of the original color is **255, 255, 255**, and **167, 175, 166** is the 20% darker color. If you saturate the color by 10%, you get **201, 230, 198**, and if you desaturate by 10%, it is **230, 231, 244**.

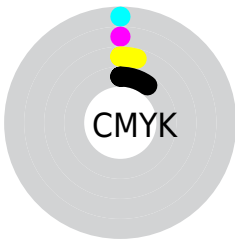
Distribution



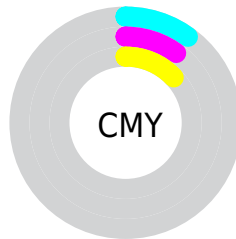
- Red (90%)
- Green (90%)
- Blue (87%)



- Red (87%)
- Yellow (90%)
- Blue (87%)



- Cyan (0%)
- Magenta (0%)
- Yellow (4%)
- Black (10%)



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

Brightness & Saturation Gradients

These gradients show how the RYB color 222, 230, 221 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, 230, 221 by changing the saturation by 10% instead.

■ 222, 230, 221

255, 255, 255

■ 222, 230, 221

■ 194, 202, 193

■ 167, 175, 166

■ 141, 148, 140

■ 115, 122, 114

■ 90, 97, 90

■ 67, 74, 66

■ 45, 51, 44

■ 25, 30, 24

■ 0, 4, 2

222, 230, 221

222, 230, 221

201, 230, 198

230, 231, 244

181, 230, 175

230, 233, 255

161, 230, 152

230, 235, 255

140, 230, 129

230, 236, 255

119, 230, 106

230, 238, 255

100, 230, 83

230, 239, 255

79, 230, 60

230, 239, 255

58, 230, 37

230, 240, 255

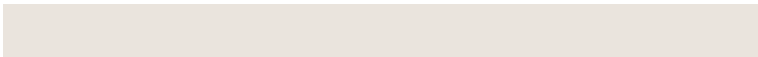
38, 230, 14

230, 241, 255

Harmonies

Analogous

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



232, 234, 221



222, 230, 221



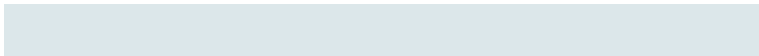
223, 230, 228

Triad

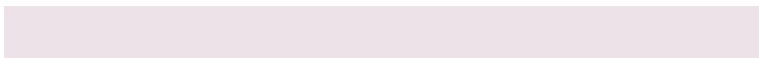
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



222, 230, 221



220, 226, 234



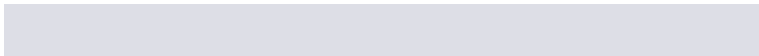
236, 226, 231

Complementary

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



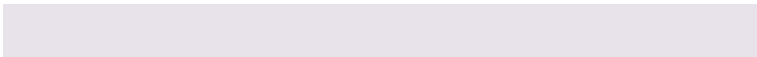
222, 230, 221



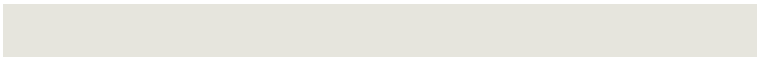
221, 222, 230

Split Complementary

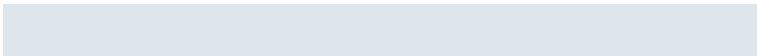
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



232, 227, 234



222, 230, 221



223, 228, 236

Square

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



222, 230, 221



219, 225, 231



227, 228, 236



238, 226, 227

Rectangle

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



222, 230, 221



222, 229, 231



227, 228, 236



235, 227, 232

Sweetspot

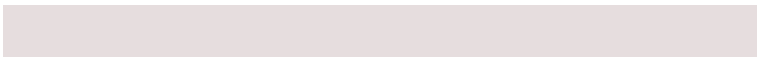
The Sweet Spot groups the original color and five complimentary colors.



222, 230, 221



252, 255, 252



230, 221, 222



128, 128, 126



0, 0, 0



128, 128, 128

Same Dimension

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



222, 230, 221



243, 255, 242



221, 230, 224



109, 115, 108



20, 179, 0



6, 51, 0

Inverse Universe

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



221, 222, 230



242, 244, 255



225, 221, 230



108, 109, 115



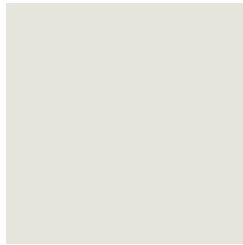
0, 16, 179



0, 5, 51

Previews

White Background



This preview shows how the RYB color 222, 230, 221 looks on a white background.

Color Contrast Check

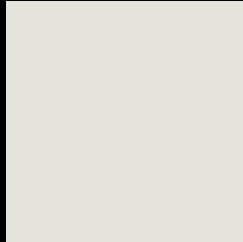
Large Text (above 18pt) WCAG AA × Fail

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, 230, 221 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

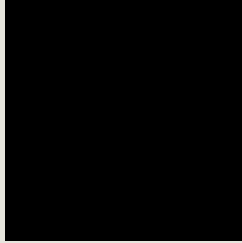
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

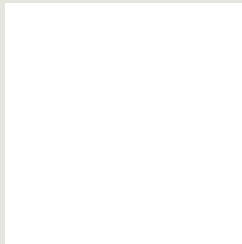
Any Text WCAG AAA ✓ Pass

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

RYB 222, 230, 221 Background



This preview shows how black text looks on a background with the RYB color 222, 230, 221.

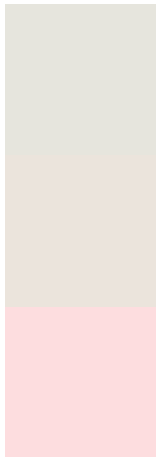


This preview shows how white text looks on a background with the RYB color 222, 230, 221.

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
222, 230, 221

Protanopia
233, 235, 220

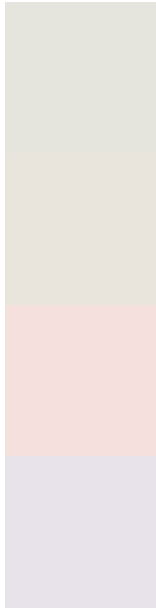
Deuteranopia
253, 221, 223



Tritanopia

233, 226, 243

Trichromacy



Original Color

222, 230, 221

Protanomaly

228, 233, 220

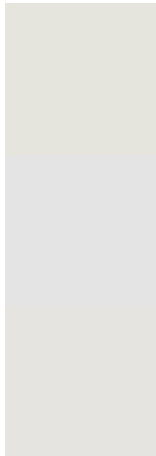
Deuteranomaly

245, 224, 222

Tritanomaly

232, 227, 235

Monochromacy



Original Color

222, 230, 221

Achromatopsia

228, 228, 228

Achromatomaly

226, 229, 225

CSS Examples

Text

The CSS property to change the color of the text to RYB 222, 230, 221 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(230, 229, 221) looks like.

```
.text, #text, p{  
    color:rgb(230, 229, 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(230, 229, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 229, 221) }
```

Border

The CSS property to change the border of an element to RYB 222, 230, 221 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(230, 229, 221) }
```

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

```
.border{ border-color:rgb(230, 229, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 229, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 229, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 229, 221);  
box-shadow:4px 4px 4px 4px rgb(230, 229,  
221) }
```

Background

The CSS property to change the background color of an element to RYB 222, 230, 221 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 229, 221) }
```

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

```
.background{ background-color: rgb(230,  
229, 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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