

Converting Colors

`RYB(223, 230, 227)`

Have a look what the booklet for
RYB(223, 230, 227) contains.

RYB(223, 230, 227)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

R_YB(223, 230, 227)

Conversions

Conversions Part 1

Format	Color
Hex	E2E6DF
RGB	226, 230, 223
RGB Percent	89%, 90%, 87%
CMY	0.1137, 0.0980, 0.1255
CMYK	0.02, 0.00, 0.03, 0.10
HSL	94°, 12%, 89%
HSV	94°, 3%, 90%
XYZ	72.9801, 78.0901, 81.0385
YIQ	228.0060, -0.1370, -3.0250

Conversions

Conversions Part 2

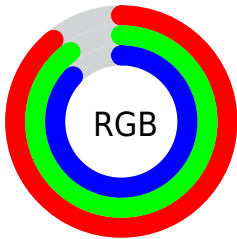
Format	Color
RYB	223, 230, 227
Decimal	14870239
CIELab	90.82, -2.58, 2.93
CIElCh	91, 3.903, 131.438
Yxy	78.0901, 0.3144, 0.3364
Android (android.graphics.Color)	4293060319 (0xFFE2E6DF)
YUV	228.0060, -2.4680, -1.7593
Hunter-Lab	88.3686, -7.2290, 7.4861

Details

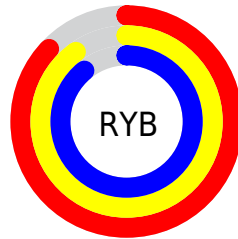
The RYB color **223, 230, 227** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **227, 223, 230**, and the grayscale version is **228, 228, 228**.

A 20% lighter version of the original color is **255, 255, 255**, and **168, 175, 172** is the 20% darker color. If you saturate the color by 10%, you get **200, 230, 217**, and if you desaturate by 10%, it is **239, 230, 246**.

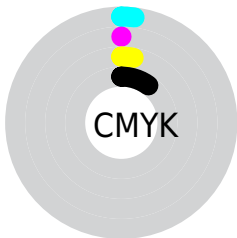
Distribution



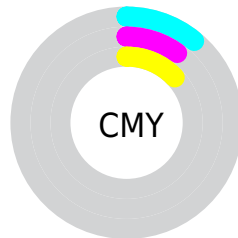
- Red (89%)
- Green (90%)
- Blue (87%)



- Red (87%)
- Yellow (90%)
- Blue (89%)



- Cyan (2%)
- Magenta (0%)
- Yellow (3%)
- Black (10%)



- Cyan (11%)
- Magenta (10%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the RYB color 223, 230, 227 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 223, 230, 227 by changing the saturation by 10% instead.

■ 223, 230, 227

255, 255, 255

■ 223, 230, 227

■ 195, 202, 199

■ 168, 175, 172

■ 141, 148, 145

■ 116, 122, 119

■ 91, 97, 94

■ 68, 74, 72

■ 46, 51, 49

■ 25, 30, 28

■ 0, 5, 5

 223, 230, 227

 223, 230, 227

 200, 230, 217


 239, 230, 246

 177, 230, 207

 252, 230, 255

 154, 230, 197

 255, 230, 255

 131, 230, 188

 108, 230, 178

 85, 230, 168

 62, 230, 158

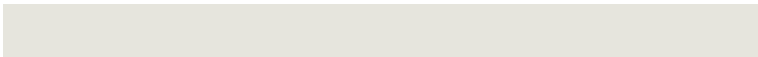
 39, 230, 148

 16, 230, 138

Harmonies

Analogous

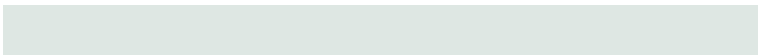
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



222, 230, 221



223, 230, 227



222, 228, 231

Triad

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



223, 230, 227



223, 228, 236



237, 226, 227

Complementary

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



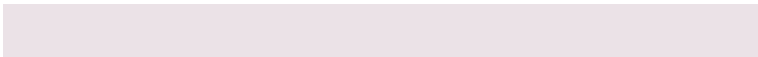
223, 230, 227



227, 223, 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.



235, 226, 231



223, 230, 227



227, 228, 236

Square

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



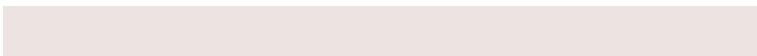
223, 230, 227



220, 226, 233



231, 227, 234



237, 228, 224

Rectangle

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



223, 230, 227



221, 227, 231



231, 227, 234



237, 226, 229

Sweetspot

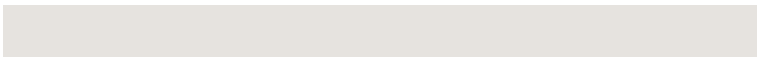
The Sweet Spot groups the original color and five complimentary colors.



223, 230, 227



252, 255, 253



228, 230, 223



126, 128, 127



0, 0, 0



128, 128, 128

Same Dimension

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



223, 230, 227



245, 255, 251



223, 230, 230



109, 115, 113



0, 179, 103



0, 51, 29

Inverse Universe

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



227, 223, 230



251, 245, 255



230, 223, 230



112, 109, 115



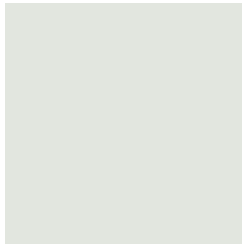
102, 0, 179



29, 0, 51

Previews

White Background



This preview shows how the RYB color 223, 230, 227 looks on a white background.

Color Contrast Check

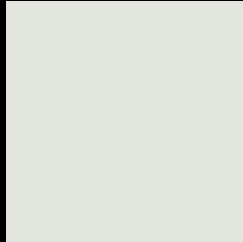
Large Text (above 18pt) WCAG AA × Fail

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 223, 230, 227 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

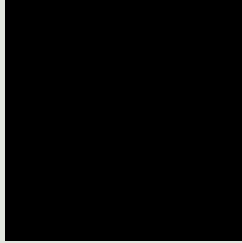
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

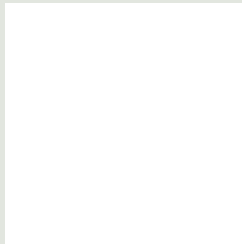
Any Text WCAG AAA ✓ Pass

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

RYB 223, 230, 227 Background



This preview shows how black text looks on a background with the RYB color 223, 230, 227.

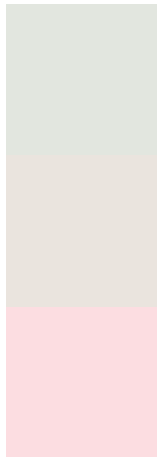


This preview shows how white text looks on a background with the RYB color 223, 230, 227.

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
[223](#), [230](#), [227](#)

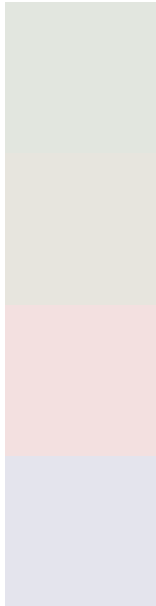
Protanopia
[234](#), [234](#), [222](#)

Deuteranopia
[252](#), [221](#), [225](#)



Tritanopia
229, 227, 245

Trichromacy



Original Color

223, 230, 227

Protanomaly

225, 231, 222

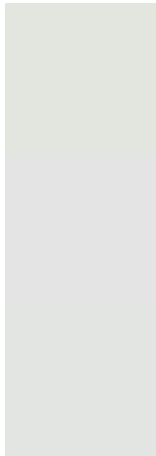
Deuteranomaly

243, 224, 224

Tritanomaly

228, 228, 237

Monochromacy



Original Color

223, 230, 227

Achromatopsia

228, 228, 228

Achromatomaly

226, 229, 228

CSS Examples

Text

The CSS property to change the color of the text to RYB 223, 230, 227 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(226, 230, 223)` looks like.

```
.text, #text, p{  
    color:rgb(226, 230, 223)  
}
```

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(226, 230, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 230, 223) }
```

Border

The CSS property to change the border of an element to RYB 223, 230, 227 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(226, 230, 223) }
```

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

```
.border{ border-color:rgb(226, 230, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 230, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 230, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 230, 223);  
box-shadow:4px 4px 4px 4px rgb(226, 230,  
223) }
```

Background

The CSS property to change the background color of an element to RYB 223, 230, 227 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 230, 223) }
```

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

```
.background{ background-color: rgb(226,  
230, 223) }
```

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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