

Converting Colors

`RYB(217, 225, 231)`

Have a look what the booklet for RYB(217, 225, 231) contains.

RYB(217, 225, 231)	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(217, 225, 231)

Conversions

Conversions Part 1

Format	Color
Hex	D9E7E4
RGB	217, 231, 228
RGB Percent	85%, 91%, 89%
CMY	0.1490, 0.0941, 0.1078
CMYK	0.06, 0.00, 0.02, 0.09
HSL	165°, 23%, 88%
HSV	165°, 6%, 91%
XYZ	71.1254, 77.4772, 84.2413
YIQ	226.4720, -7.3810, -3.9010

Conversions

Conversions Part 2

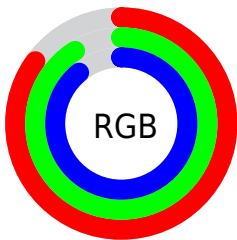
Format	Color
RYB	217, 225, 231
Decimal	14280676
CIELab	90.54, -5.29, 0.09
CIElCh	91, 5.288, 179.069
Yxy	77.4772, 0.3055, 0.3327
Android (android.graphics.Color)	4292470756 (0xFFD9E7E4)
YUV	226.4720, 0.7533, -8.3069
Hunter-Lab	88.0212, -9.8002, 4.8709

Details

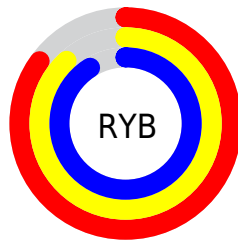
The RYB color **217, 225, 231** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **231, 217, 220**, and the grayscale version is **226, 226, 226**.

A 20% lighter version of the original color is **255, 255, 255**, and **162, 169, 175** is the 20% darker color. If you saturate the color by 10%, you get **194, 215, 231**, and if you desaturate by 10%, it is **240, 231, 233**.

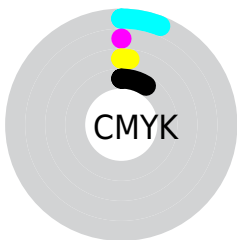
Distribution



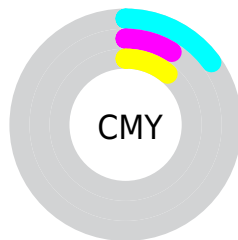
- Red (85%)
- Green (91%)
- Blue (89%)



- Red (85%)
- Yellow (88%)
- Blue (91%)



- Cyan (6%)
- Magenta (0%)
- Yellow (2%)
- Black (9%)



- Cyan (15%)
- Magenta (9%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the RYB color 217, 225, 231 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 217, 225, 231 by changing the saturation by 10% instead.

■ 217, 225, 231

255, 255, 255

■ 217, 225, 231

■ 189, 197, 203

■ 162, 169, 175

■ 136, 143, 149

■ 110, 117, 123

■ 86, 93, 98

■ 63, 69, 74

■ 41, 47, 52

■ 20, 26, 31

■ 0, 3, 4

 217, 225, 231

 217, 225, 231

 194, 215, 231

 240, 231, 233

 171, 205, 231


 255, 231, 239

 148, 196, 231


 255, 231, 245


 125, 186, 231


 255, 231, 251


 102, 176, 231

 255, 231, 255

 78, 165, 231

 55, 156, 231

 32, 146, 231

 9, 136, 231

Harmonies

Analogous

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



221, 228, 230



217, 225, 231



216, 224, 233

Triad

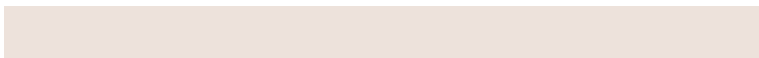
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



217, 225, 231



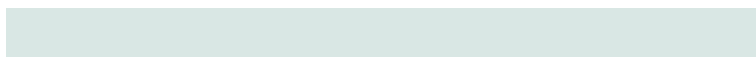
229, 227, 237



237, 230, 219

Complementary

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



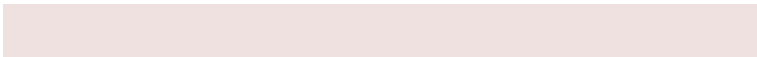
217, 225, 231



231, 217, 220

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.



239, 225, 223



217, 225, 231



235, 225, 233

Square

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



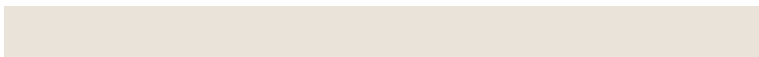
217, 225, 231



223, 227, 238



238, 225, 228



228, 233, 218

Rectangle

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



217, 225, 231



217, 225, 235



238, 225, 228



238, 227, 220

Sweetspot

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



217, 225, 231



250, 253, 255



217, 231, 228



125, 127, 128



0, 0, 0



128, 128, 128

Same Dimension

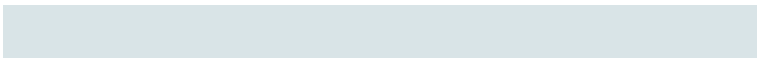
The Same Dimension uses a secret algorithm to generate beautiful new colors.



217, 225, 231



237, 247, 255



217, 223, 231



106, 111, 115



0, 102, 179



0, 29, 51

Inverse Universe

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



231, 217, 220



255, 237, 242



231, 221, 217



115, 106, 108



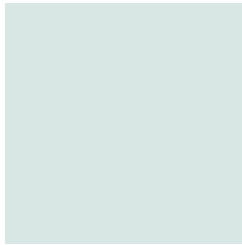
179, 0, 45



51, 0, 13

Previews

White Background



This preview shows how the RYB color 217, 225, 231 looks on a white background.

Color Contrast Check

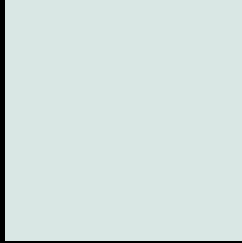
Large Text (above 18pt) WCAG AA × Fail

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 217, 225, 231 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

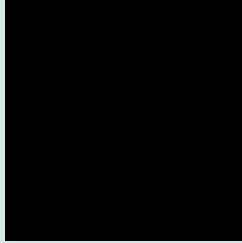
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

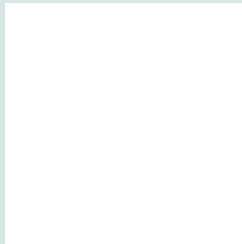
Any Text WCAG AAA ✓ Pass

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

RYB 217, 225, 231 Background



This preview shows how black text looks on a background with the RYB color 217, 225, 231.



This preview shows how white text looks on a background with the RYB color 217, 225, 231.

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](#).

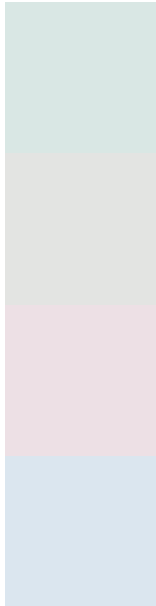
Dichromacy





Tritanopia
220, 226, 246

Trichromacy



Original Color

217, 225, 231

Protanomaly

226, 228, 227

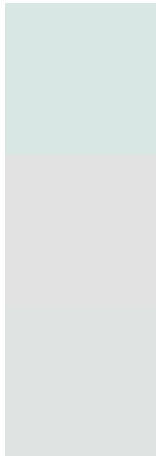
Deuteranomaly

237, 224, 229

Tritanomaly

219, 226, 239

Monochromacy



Original Color

217, 225, 231

Achromatopsia

226, 226, 226

Achromatomaly

223, 226, 228

CSS Examples

Text

The CSS property to change the color of the text to RYB 217, 225, 231 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(217, 231, 228) looks like.

```
.text, #text, p{  
    color:rgb(217, 231, 228)  
}
```

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(217, 231, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 231, 228) }
```

Border

The CSS property to change the border of an element to RYB 217, 225, 231 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(217, 231, 228) }
```

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

```
.border{ border-color:rgb(217, 231, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 231, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(217, 231, 228); -webkit-box-shadow:4px 4px 4px 4px rgb(217, 231, 228); box-shadow:4px 4px 4px 4px rgb(217, 231, 228) }
```

Background

The CSS property to change the background color of an element to RGB 217, 225, 231 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 231, 228) }
```

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

```
.background{ background-color: rgb(217,  
231, 228) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor