

Converting Colors

`RYB(219, 232, 230)`

Have a look what the booklet for
RYB(219, 232, 230) contains.

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Color

R_YB(219, 232, 230)

Conversions

Conversions Part 1

Format	Color
Hex	DDE8DB
RGB	221, 232, 219
RGB Percent	87%, 91%, 86%
CMY	0.1333, 0.0902, 0.1412
CMYK	0.05, 0.00, 0.06, 0.09
HSL	111°, 22%, 88%
HSV	111°, 6%, 91%
XYZ	71.4616, 78.1999, 78.3455
YIQ	227.2290, -2.3830, -6.3750

Conversions

Conversions Part 2

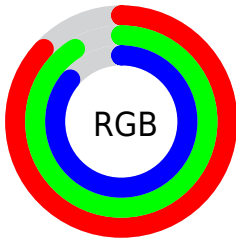
Format	Color
R _Y B	219, 232, 230
Decimal	14543067
CIE Lab	90.87, -6.00, 5.04
CIE LCh	91, 7.835, 139.939
Yxy	78.1999, 0.3134, 0.3430
Android (android.graphics.Color)	4292733147 (0xFFDDE8DB)
YUV	227.2290, -4.0569, -5.4628
Hunter-Lab	88.4307, -10.5063, 9.3733

Details

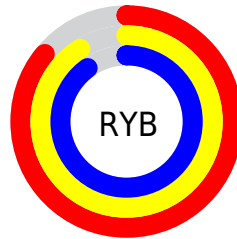
The RYB color **219, 232, 230** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **230, 219, 232**, and the grayscale version is **227, 227, 227**.

A 20% lighter version of the original color is 255, 255, 255, and **164, 176, 174** is the 20% darker color. If you saturate the color by 10%, you get **196, 232, 227**, and if you desaturate by 10%, it is **241, 232, 242**.

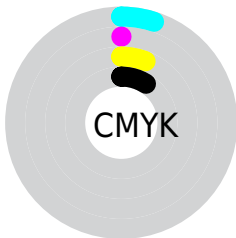
Distribution



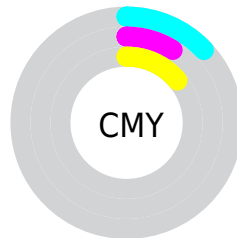
- Red (87%)
- Green (91%)
- Blue (86%)



- Red (86%)
- Yellow (91%)
- Blue (90%)



- Cyan (5%)
- Magenta (0%)
- Yellow (6%)
- Black (9%)



- Cyan (13%)
- Magenta (9%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the RYB color 219, 232, 230 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 219, 232, 230 by changing the saturation by 10% instead.

■ 219, 232, 230

255, 255, 255

■ 219, 232, 230

■ 191, 204, 202

■ 164, 176, 174

■ 138, 150, 148

■ 112, 124, 122

■ 88, 99, 97

■ 65, 75, 74

■ 43, 53, 52


■ 22, 31, 30

■ 0, 6, 6

 219, 232, 230

 219, 232, 230

 196, 232, 227

 241, 232, 242

 173, 232, 223

 255, 232, 255

 149, 232, 219

 126, 232, 216

 103, 232, 212

 80, 232, 209

 57, 232, 205

 33, 232, 201

 10, 232, 198

Harmonies

Analogous

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



215, 230, 215



219, 232, 230



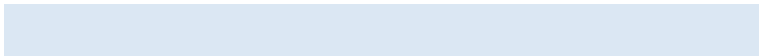
214, 226, 233

Triad

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



219, 232, 230



219, 227, 243



246, 224, 224

Complementary

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



219, 232, 230



230, 219, 232

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.



243, 224, 232



219, 232, 230



227, 228, 243

Square

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



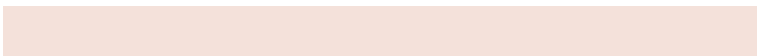
219, 232, 230



212, 224, 240



236, 225, 239



244, 228, 218

Rectangle

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



219, 232, 230



211, 223, 233



236, 225, 239



245, 224, 226

Sweetspot

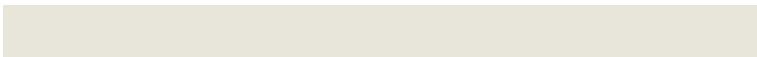
The Sweet Spot groups the original color and five complimentary colors.



219, 232, 230



250, 255, 254



221, 232, 219



125, 128, 128



0, 0, 0



128, 128, 128

Same Dimension

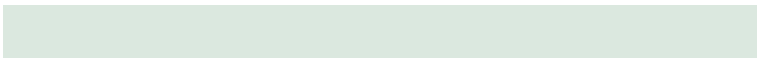
The Same Dimension uses a secret algorithm to generate beautiful new colors.



219, 232, 230



237, 255, 252



219, 229, 232



106, 115, 114



0, 179, 152



0, 51, 43

Inverse Universe

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



230, 219, 232



252, 237, 255



232, 219, 228



113, 106, 115



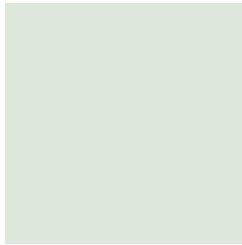
151, 0, 179



43, 0, 51

Previews

White Background



This preview shows how the RYB color 219, 232, 230 looks on a white background.

Color Contrast Check

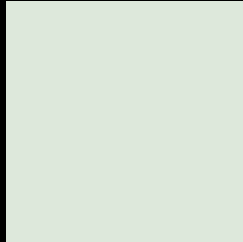
Large Text (above 18pt) WCAG AA × Fail

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 219, 232, 230 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

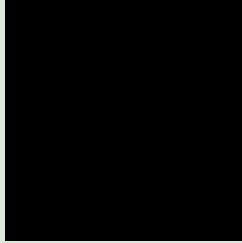
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

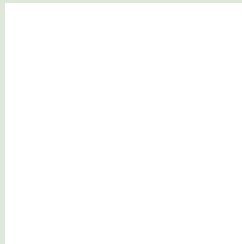
Any Text WCAG AAA ✓ Pass

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

RYB 219, 232, 230 Background



This preview shows how black text looks on a background with the RYB color 219, 232, 230.

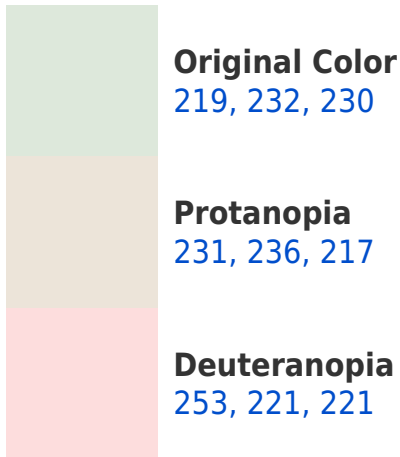


This preview shows how white text looks on a background with the RYB color 219, 232, 230.

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

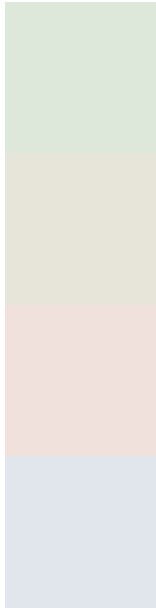




Tritanopia

225, 228, 246

Trichromacy



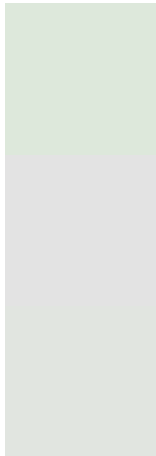
Original Color
219, 232, 230

Protanomaly
220, 231, 218

Deuteranomaly
241, 227, 220

Tritanomaly
224, 228, 236

Monochromacy



Original Color
219, 232, 230

Achromatopsia
227, 227, 227

Achromatomaly
224, 229, 228

CSS Examples

Text

The CSS property to change the color of the text to RYB 219, 232, 230 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(221, 232, 219)` looks like.

```
.text, #text, p{  
    color:rgb(221, 232, 219)  
}
```

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(221, 232, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 232, 219) }
```

Border

The CSS property to change the border of an element to RYB 219, 232, 230 is called "border". The border property can be set on classes, ids or directly on the HTML element.

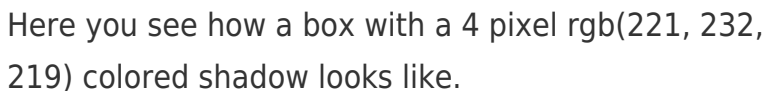
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(221, 232, 219) }
```

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

```
.border{ border-color:rgb(221, 232, 219) }
```

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



Here you see how a box with a 4 pixel `rgb(221, 232, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(221, 232, 219); -webkit-box-shadow:4px 4px 4px 4px rgb(221, 232, 219); box-shadow:4px 4px 4px 4px rgb(221, 232, 219) }
```

Background

The CSS property to change the background color of an element to RYB 219, 232, 230 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 232, 219) }
```

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

```
.background{ background-color: rgb(221,  
232, 219) }
```

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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