

Converting Colors

`RYB(217, 229, 239)`

Have a look what the booklet for RYB(217, 229, 239) contains.

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Color

RYB(217, 229, 239)

Conversions

Conversions Part 1

Format	Color
Hex	D9EFEB
RGB	217, 239, 235
RGB Percent	85%, 94%, 92%
CMY	0.1490, 0.0627, 0.0771
CMYK	0.09, 0.00, 0.02, 0.06
HSL	170°, 41%, 89%
HSV	170°, 9%, 94%
XYZ	74.5254, 82.5022, 90.8466
YIQ	231.9660, -11.8280, -5.9080

Conversions

Conversions Part 2

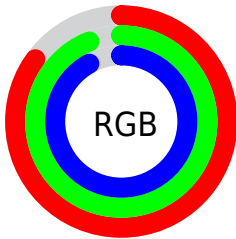
Format	Color
R _{YB}	217, 229, 239
Decimal	14282731
CIE Lab	92.80, -7.89, -0.70
CIE LCh	93, 7.919, 185.103
Yxy	82.5022, 0.3007, 0.3328
Android (android.graphics.Color)	4292472811 (0xFFD9EFEB)
YUV	231.9660, 1.4958, -13.1252
Hunter-Lab	90.8307, -12.4968, 4.2811

Details

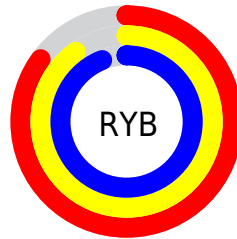
The RYB color **217, 229, 239** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **239, 217, 221**, and the grayscale version is **232, 232, 232**.

A 20% lighter version of the original color is **255, 255, 255**, and **162, 174, 183** is the 20% darker color. If you saturate the color by 10%, you get **193, 218, 239**, and if you desaturate by 10%, it is **241, 239, 239**.

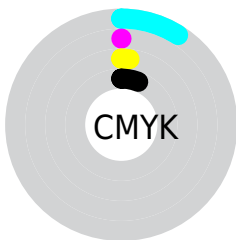
Distribution



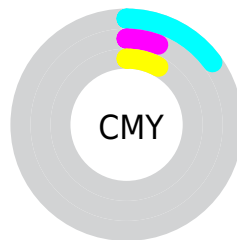
- Red (85%)
- Green (94%)
- Blue (92%)



- Red (85%)
- Yellow (90%)
- Blue (94%)



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



- Cyan (15%)
- Magenta (6%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the RYB color 217, 229, 239 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, 229, 239 by changing the saturation by 10% instead.

■ 217, 229, 239

255, 255, 255

■ 217, 229, 239

■ 189, 201, 211

■ 162, 173, 183

■ 136, 147, 156

■ 110, 121, 130

■ 86, 96, 105

■ 62, 72, 81

■ 40, 50, 58


■ 19, 28, 36

■ 0, 9, 16

 217, 229, 239


 217, 229, 239

 193, 218, 239


 241, 239, 239

 169, 207, 239


 255, 239, 243

 145, 196, 239


 255, 239, 247


 121, 185, 239


 255, 239, 251


 97, 175, 239

 255, 239, 255

 74, 164, 239

 50, 153, 239

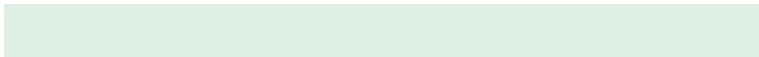
 26, 142, 239

 2, 131, 239

Harmonies

Analogous

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



222, 234, 238



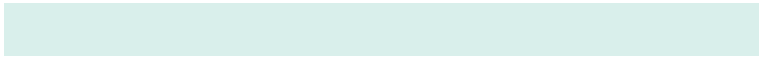
217, 229, 239



216, 228, 243

Triad

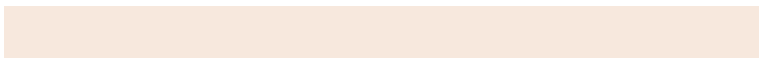
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



217, 229, 239



238, 232, 247



247, 240, 221

Complementary

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



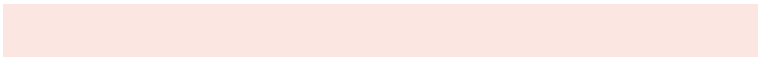
217, 229, 239



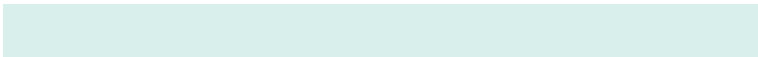
239, 217, 221

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.



251, 231, 226



217, 229, 239



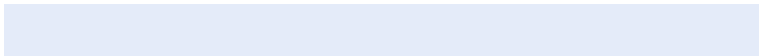
246, 230, 241

Square

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



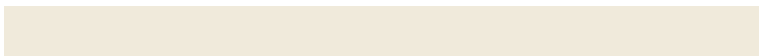
217, 229, 239



228, 233, 249



251, 229, 233



227, 240, 219

Rectangle

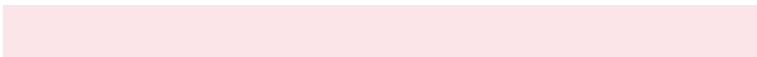
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



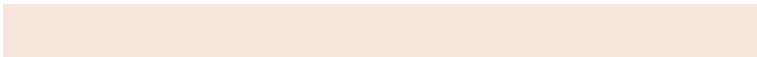
217, 229, 239



218, 229, 246



251, 229, 233



249, 236, 222

Sweetspot

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



217, 229, 239



247, 251, 255



217, 239, 235



122, 125, 128



0, 0, 0



128, 128, 128

Same Dimension

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



217, 229, 239



227, 242, 255



217, 226, 239



108, 115, 120



0, 100, 184



0, 30, 56

Inverse Universe

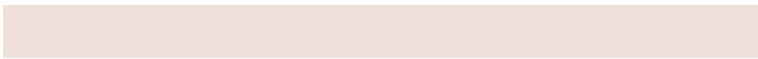
The Inverse Universe completely reimagines the original color for something new.



239, 217, 221



255, 227, 232



239, 227, 217



120, 108, 110



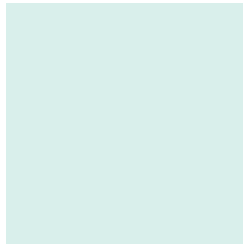
184, 0, 31



56, 0, 9

Previews

White Background



This preview shows how the RYB color 217, 229, 239 looks on a white background.

Color Contrast Check

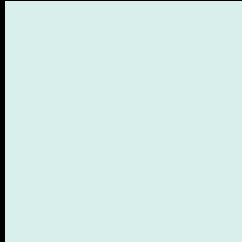
Large Text (above 18pt) WCAG AA × Fail

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, 229, 239 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

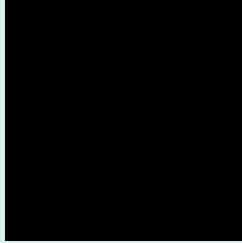
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

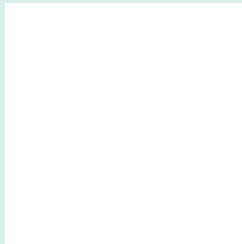
Any Text WCAG AAA ✓ Pass

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

RYB 217, 229, 239 Background



This preview shows how black text looks on a background with the RYB color 217, 229, 239.



This preview shows how white text looks on a background with the RYB color 217, 229, 239.

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](#).

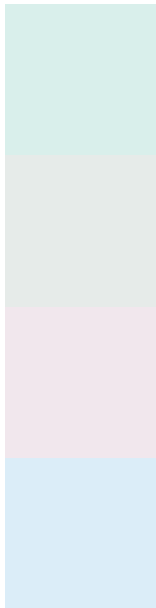
Dichromacy





Tritanopia
220, 231, 255

Trichromacy



Original Color

217, 229, 239

Protanomaly

230, 233, 235

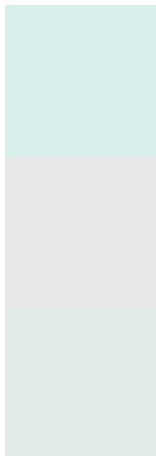
Deuteranomaly

241, 231, 237

Tritanomaly

219, 230, 248

Monochromacy



Original Color

217, 229, 239

Achromatopsia

232, 232, 232

Achromatomaly

227, 232, 235

CSS Examples

Text

The CSS property to change the color of the text to RYB 217, 229, 239 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, 239, 235)` looks like.

```
.text, #text, p{  
    color:rgb(217, 239, 235)  
}
```

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, 239, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 239, 235) }
```

Border

The CSS property to change the border of an element to RYB 217, 229, 239 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, 239, 235) }
```

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

```
.border{ border-color:rgb(217, 239, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 239, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 239, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 239, 235);  
box-shadow:4px 4px 4px 4px rgb(217, 239,  
235) }
```

Background

The CSS property to change the background color of an element to RYB 217, 229, 239 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 239, 235) }
```

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

```
.background{ background-color: rgb(217,  
239, 235) }
```

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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