

Converting Colors

RYB(220, 230, 239)

Have a look what the booklet for RYB(220, 230, 239) contains.

RYB(220, 230, 239)	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(220, 230, 239)

Conversions

Conversions Part 1

Format	Color
Hex	DCEFED
RGB	220, 239, 237
RGB Percent	86%, 94%, 93%
CMY	0.1373, 0.0627, 0.0702
CMYK	0.08, 0.00, 0.01, 0.06
HSL	174°, 37%, 90%
HSV	174°, 8%, 94%
XYZ	75.6824, 83.0689, 92.2424
YIQ	233.0910, -10.6820, -4.6500

Conversions

Conversions Part 2

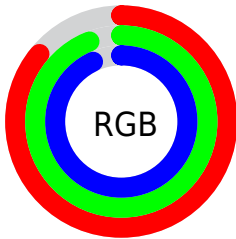
Format	Color
RYP	220, 230, 239
Decimal	14479341
CIELab	93.04, -6.58, -1.24
CIElCh	93, 6.700, 190.624
Yxy	83.0689, 0.3015, 0.3310
Android (android.graphics.Color)	4292669421 (0xFFDCEFED)
YUV	233.0910, 1.9271, -11.4808
Hunter-Lab	91.1422, -11.2764, 3.7938

Details

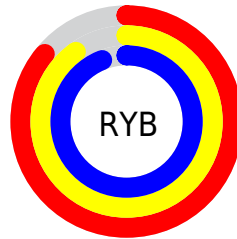
The RYB color **220, 230, 239** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **239, 220, 222**, and the grayscale version is **233, 233, 233**.

A 20% lighter version of the original color is 255, 255, 255, and **165, 175, 183** is the 20% darker color. If you saturate the color by 10%, you get **196, 219, 239**, and if you desaturate by 10%, it is **244, 239, 239**.

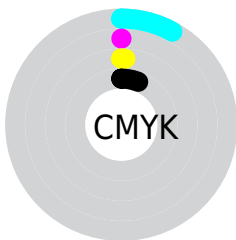
Distribution



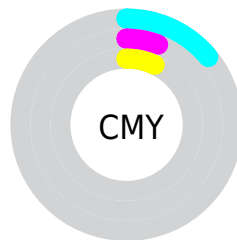
- Red (86%)
- Green (94%)
- Blue (93%)



- Red (86%)
- Yellow (90%)
- Blue (94%)



- Cyan (8%)
- Magenta (0%)
- Yellow (1%)
- Black (6%)



- Cyan (14%)
- Magenta (6%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the RYB color 220, 230, 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 220, 230, 239 by changing the saturation by 10% instead.

■ 220, 230, 239

255, 255, 255

■ 220, 230, 239

■ 192, 202, 211

■ 165, 175, 183

■ 139, 148, 156

■ 113, 122, 130

■ 88, 97, 105

■ 65, 74, 81

■ 43, 51, 58

■ 22, 29, 36

■ 0, 8, 15

 220, 230, 239

 220, 230, 239

 196, 219, 239

 244, 239, 239

 172, 207, 239


 255, 239, 242

 148, 196, 239


 255, 239, 244

 124, 184, 239


 255, 239, 247

 101, 174, 239


 255, 239, 249

 77, 162, 239

 255, 239, 251

 53, 151, 239

 255, 239, 254

 29, 140, 239

 255, 239, 255

 5, 128, 239

Harmonies

Analogous

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



224, 234, 239



220, 230, 239



220, 230, 243

Triad

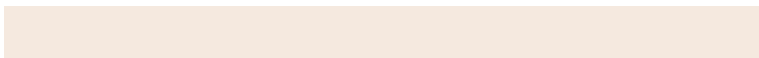
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



220, 230, 239



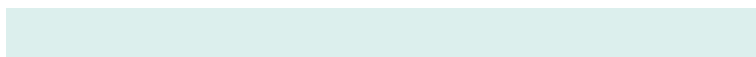
239, 233, 245



245, 241, 223

Complementary

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



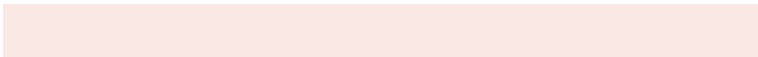
220, 230, 239



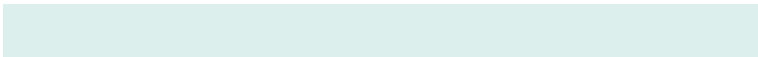
239, 220, 222

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.



249, 233, 227



220, 230, 239



246, 231, 239

Square

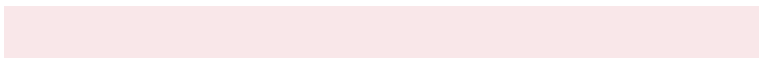
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



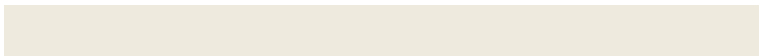
220, 230, 239



231, 234, 248



249, 231, 233



226, 238, 222

Rectangle

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



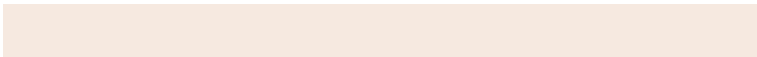
220, 230, 239



222, 231, 246



249, 231, 233



246, 239, 224

Sweetspot

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



220, 230, 239



250, 253, 255



220, 239, 237



125, 127, 128



0, 0, 0



128, 128, 128

Same Dimension

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



220, 230, 239



230, 243, 255



220, 227, 239



108, 114, 120



0, 97, 184



0, 30, 56

Inverse Universe

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



239, 220, 222



255, 230, 232



239, 234, 220



120, 108, 109



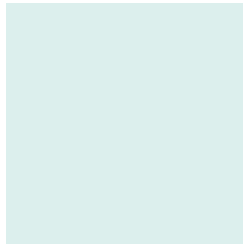
184, 0, 18



56, 0, 6

Previews

White Background



This preview shows how the RYB color 220, 230, 239 looks on a white background.

Color Contrast Check

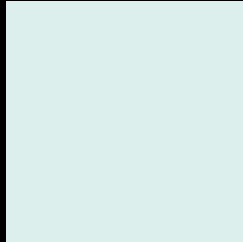
Large Text (above 18pt) WCAG AA × Fail

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 220, 230, 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

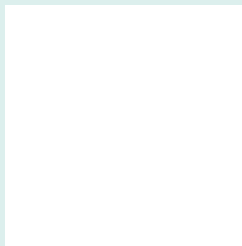
Any Text WCAG AAA ✓ Pass

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

RYB 220, 230, 239 Background



This preview shows how black text looks on a background with the RYB color 220, 230, 239.



This preview shows how white text looks on a background with the RYB color 220, 230, 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

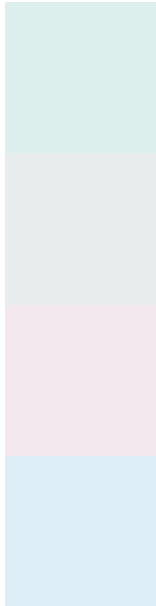




Tritanopia

223, 232, 255

Trichromacy



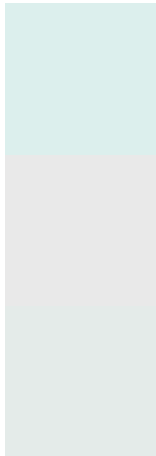
Original Color
220, 230, 239

Protanomaly
232, 234, 236

Deuteranomaly
242, 232, 238

Tritanomaly
222, 232, 248

Monochromacy



Original Color
220, 230, 239

Achromatopsia
233, 233, 233

Achromatomaly
228, 232, 235

CSS Examples

Text

The CSS property to change the color of the text to RYB 220, 230, 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(220, 239, 237)` looks like.

```
.text, #text, p{  
    color:rgb(220, 239, 237)  
}
```

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(220, 239, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 239, 237) }
```

Border

The CSS property to change the border of an element to RYB 220, 230, 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(220, 239, 237) }
```

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

```
.border{ border-color:rgb(220, 239, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 239, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 239, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 239, 237);  
box-shadow:4px 4px 4px 4px rgb(220, 239,  
237) }
```

Background

The CSS property to change the background color of an element to RYB 220, 230, 239 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 239, 237) }
```

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

```
.background{ background-color: rgb(220,  
239, 237) }
```

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