

Converting Colors

`RYB(222, 229, 238)`

Have a look what the booklet for
RYB(222, 229, 238) contains.

RYB(222, 229, 238)	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(222, 229, 238)

Conversions

Conversions Part 1

Format	Color
Hex	DEEAEE
RGB	222, 234, 238
RGB Percent	87%, 92%, 93%
CMY	0.1294, 0.0806, 0.0667
CMYK	0.07, 0.01, 0.00, 0.07
HSL	193°, 32%, 90%
HSV	193°, 7%, 93%
XYZ	75.1063, 80.8017, 92.5267
YIQ	230.8680, -8.4360, -1.3000

Conversions

Conversions Part 2

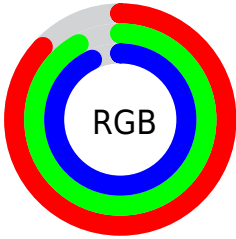
Format	Color
R _Y B	222, 229, 238
Decimal	14609134
CIE Lab	92.04, -3.45, -3.16
CIE LCh	92, 4.674, 222.466
Yxy	80.8017, 0.3023, 0.3252
Android (android.graphics.Color)	4292799214 (0xFFDEEAEE)
YUV	230.8680, 3.5161, -7.7772
Hunter-Lab	89.8897, -8.1635, 1.8935

Details

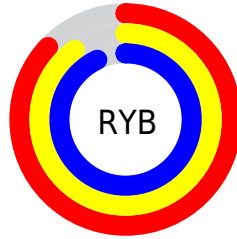
The RYB color **222, 229, 238** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **238, 227, 222**, and the grayscale version is **231, 231, 231**.

A 20% lighter version of the original color is 255, 255, 255, and **167, 173, 182** is the 20% darker color. If you saturate the color by 10%, you get **198, 215, 238**, and if you desaturate by 10%, it is **246, 241, 238**.

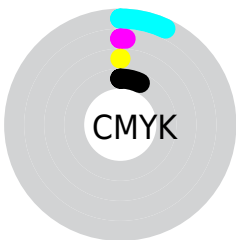
Distribution



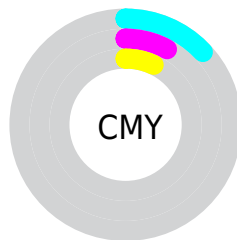
- Red (87%)
- Green (92%)
- Blue (93%)



- Red (87%)
- Yellow (90%)
- Blue (93%)



- Cyan (7%)
- Magenta (1%)
- Yellow (0%)
- Black (7%)



- Cyan (13%)
- Magenta (8%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the RYB color 222, 229, 238 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 222, 229, 238 by changing the saturation by 10% instead.

■ 222, 229, 238

255, 255, 255

■ 222, 229, 238

■ 194, 201, 210

■ 167, 174, 182

■ 140, 147, 155

■ 115, 121, 129

■ 90, 96, 104

■ 67, 73, 80

■ 44, 50, 57

■ 24, 29, 36

■ 0, 6, 14

222, 229, 238

222, 229, 238

198, 215, 238

246, 241, 238

174, 202, 238

255, 250, 238

151, 189, 238

245, 255, 238

127, 175, 238

238, 255, 238

103, 162, 238

79, 149, 238

55, 135, 238

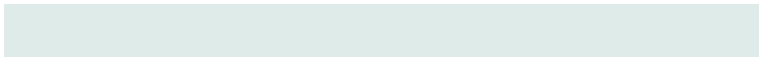
32, 122, 238

8, 109, 238

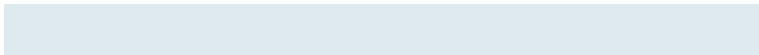
Harmonies

Analogous

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



222, 229, 235



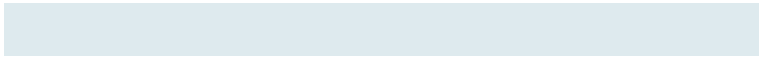
222, 229, 238



225, 230, 241

Triad

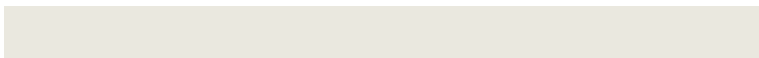
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



222, 229, 238



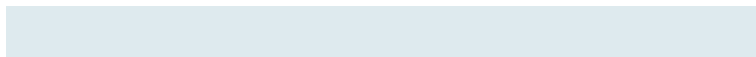
240, 229, 235



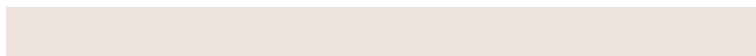
225, 234, 223

Complementary

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



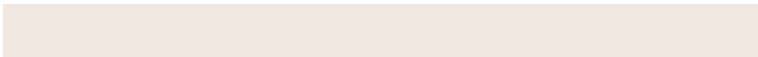
222, 229, 238



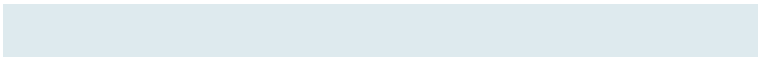
238, 227, 222

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.



239, 237, 224



222, 229, 238



242, 229, 230

Square

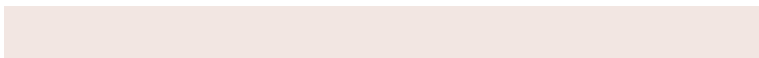
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



222, 229, 238



235, 230, 239



242, 231, 226



225, 234, 230

Rectangle

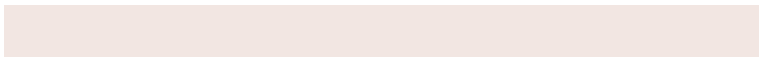
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



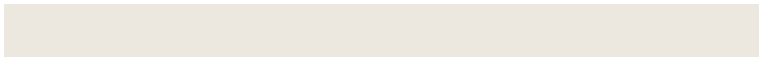
222, 229, 238



228, 231, 241



242, 231, 226



229, 236, 223

Sweetspot

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



222, 229, 238



250, 252, 255



222, 235, 238



125, 126, 128



0, 0, 0



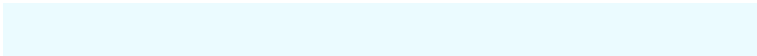
128, 128, 128

Same Dimension

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



222, 229, 238



235, 244, 255



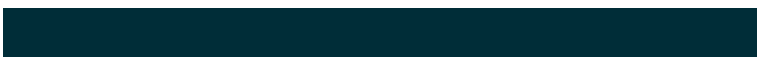
222, 226, 238



108, 113, 120



0, 80, 184



0, 25, 56

Inverse Universe

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



238, 222, 234



255, 235, 250



229, 238, 222



120, 108, 117



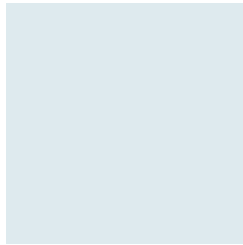
184, 0, 143



56, 0, 44

Previews

White Background



This preview shows how the RYB color 222, 229, 238 looks on a white background.

Color Contrast Check

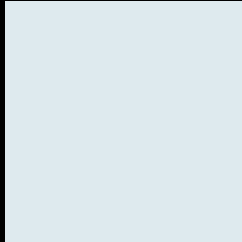
Large Text (above 18pt) WCAG AA × Fail

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 222, 229, 238 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

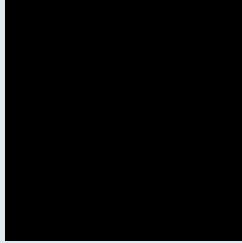
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

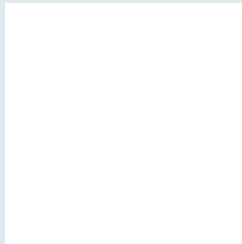
Any Text WCAG AAA ✓ Pass

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

RYB 222, 229, 238 Background



This preview shows how black text looks on a background with the RYB color 222, 229, 238.



This preview shows how white text looks on a background with the RYB color 222, 229, 238.

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](#).

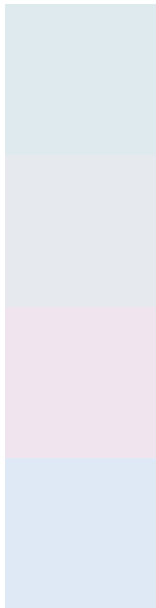
Dichromacy





Tritanopia
224, 230, 251

Trichromacy



Original Color

222, 229, 238

Protanomaly

230, 232, 237

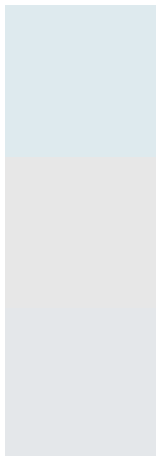
Deuteranomaly

240, 228, 239

Tritanomaly

223, 230, 246

Monochromacy



Original Color

222, 229, 238

Achromatopsia

231, 231, 231

Achromatomaly

228, 230, 234

CSS Examples

Text

The CSS property to change the color of the text to RYB 222, 229, 238 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(222, 234, 238) looks like.

```
.text, #text, p{  
    color:rgb(222, 234, 238)  
}
```

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(222, 234, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 234, 238) }
```

Border

The CSS property to change the border of an element to RYB 222, 229, 238 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(222, 234, 238) }
```

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

```
.border{ border-color:rgb(222, 234, 238) }
```

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

Here you see how a box with a 4 pixel rgb(222, 234, 238) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 234, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 234, 238);  
box-shadow:4px 4px 4px 4px rgb(222, 234,  
238) }
```

Background

The CSS property to change the background color of an element to RYB 222, 229, 238 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 234, 238) }
```

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

```
.background{ background-color: rgb(222,  
234, 238) }
```

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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