

Converting Colors

`RYB(222, 228, 237)`

Have a look what the booklet for RYB(222, 228, 237) contains.

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Color

R_YB(222, 228, 237)

Conversions

Conversions Part 1

Format	Color
Hex	DEE8ED
RGB	222, 232, 237
RGB Percent	87%, 91%, 93%
CMY	0.1294, 0.0902, 0.0706
CMYK	0.06, 0.02, 0.00, 0.07
HSL	200°, 29%, 90%
HSV	200°, 6%, 93%
XYZ	74.2669, 79.3572, 91.5240
YIQ	229.5800, -7.5650, -0.5650

Conversions

Conversions Part 2

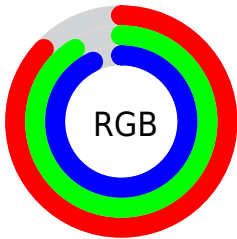
Format	Color
R _Y B	222, 228, 237
Decimal	14608621
CIE Lab	91.40, -2.38, -3.59
CIE LCh	91, 4.306, 236.370
Yxy	79.3572, 0.3029, 0.3237
Android (android.graphics.Color)	4292798701 (0xFFDEE8ED)
YUV	229.5800, 3.6581, -6.6477
Hunter-Lab	89.0827, -7.0820, 1.4431

Details

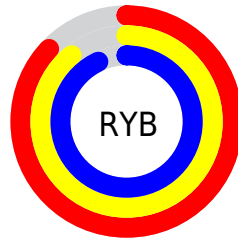
The RYB color **222, 228, 237** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **237, 230, 222**, and the grayscale version is **230, 230, 230**.

A 20% lighter version of the original color is 255, 255, 255, and **167, 172, 181** is the 20% darker color. If you saturate the color by 10%, you get **198, 214, 237**, and if you desaturate by 10%, it is **246, 242, 237**.

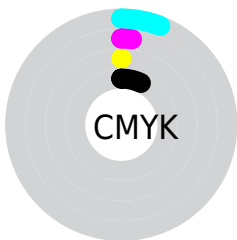
Distribution



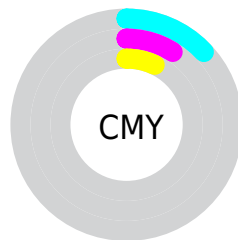
- Red (87%)
- Green (91%)
- Blue (93%)



- Red (87%)
- Yellow (89%)
- Blue (93%)



- Cyan (6%)
- Magenta (2%)
- Yellow (0%)
- Black (7%)



- Cyan (13%)
- Magenta (9%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the RYB color 222, 228, 237 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, 228, 237 by changing the saturation by 10% instead.

■ 222, 228, 237

255, 255, 255

■ 222, 228, 237

■ 194, 200, 209

■ 167, 172, 181

■ 140, 146, 154

■ 115, 120, 128

■ 90, 95, 103

■ 67, 72, 79

■ 45, 50, 56

■ 24, 28, 35

■ 0, 5, 13

■ 222, 228, 237

■ 222, 228, 237

■ 198, 214, 237

■ 246, 242, 237

■ 175, 200, 237

■ 248, 255, 237

■ 151, 185, 237

■ 237, 255, 237

■ 127, 171, 237

■ 103, 156, 237

■ 80, 143, 237

■ 56, 129, 237

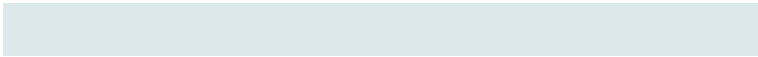
■ 32, 114, 237

■ 9, 100, 237

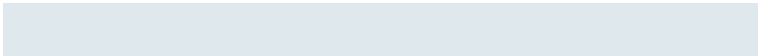
Harmonies

Analogous

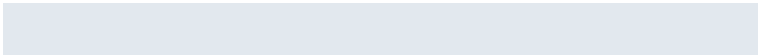
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



221, 227, 234



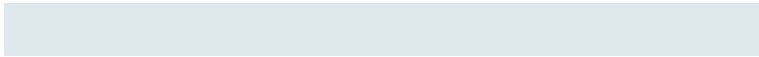
222, 228, 237



226, 230, 238

Triad

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



222, 228, 237



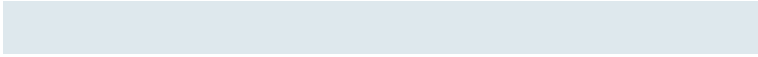
239, 228, 231



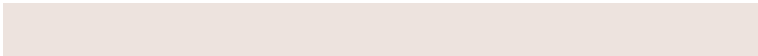
223, 231, 224

Complementary

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



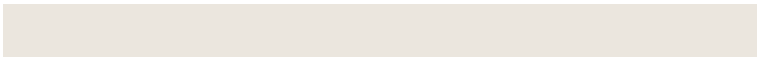
222, 228, 237



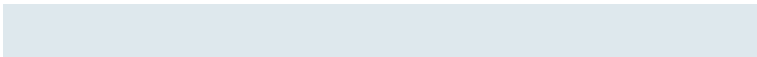
237, 230, 222

Split Complementary

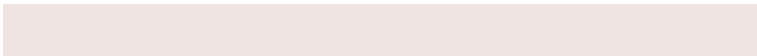
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



230, 235, 222



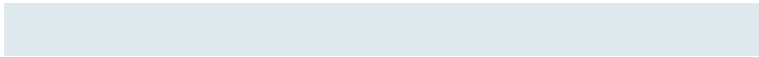
222, 228, 237



240, 228, 227

Square

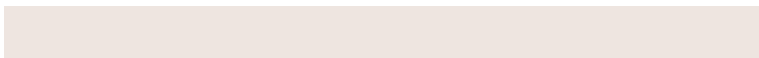
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



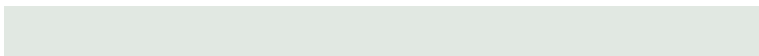
222, 228, 237



235, 228, 235



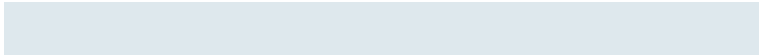
238, 232, 224



225, 231, 232

Rectangle

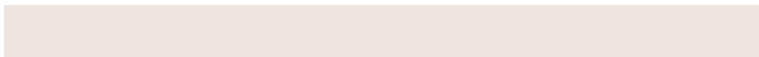
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



222, 228, 237



229, 230, 238



238, 232, 224



222, 231, 222

Sweetspot

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



222, 228, 237



250, 252, 255



222, 233, 237



125, 126, 128



0, 0, 0



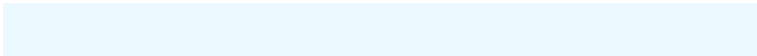
128, 128, 128

Same Dimension

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



222, 228, 237



235, 243, 255



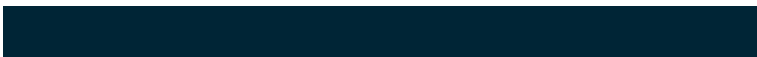
222, 224, 237



106, 110, 117



0, 73, 181



0, 22, 54

Inverse Universe

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



237, 222, 232



255, 235, 248



224, 237, 222



117, 106, 113



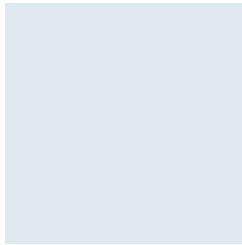
181, 0, 121



54, 0, 36

Previews

White Background



This preview shows how the RYB color 222, 228, 237 looks on a white background.

Color Contrast Check

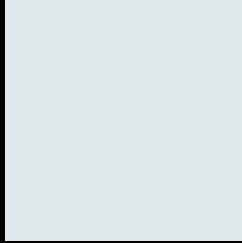
Large Text (above 18pt) WCAG AA × Fail

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, 228, 237 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

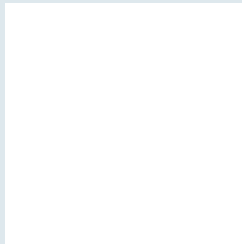
Any Text WCAG AAA ✓ Pass

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

RYB 222, 228, 237 Background



This preview shows how black text looks on a background with the RYB color 222, 228, 237.



This preview shows how white text looks on a background with the RYB color 222, 228, 237.

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

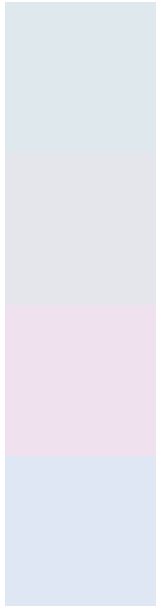
	Original Color 222, 228, 237
	Protanopia 233, 229, 235
	Deuteranopia 248, 223, 239



Tritanopia

224, 229, 248

Trichromacy



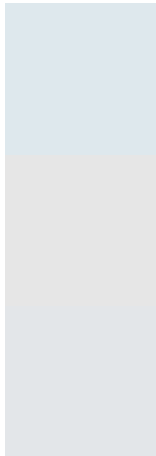
Original Color
222, 228, 237

Protanomaly
229, 230, 236

Deuteranomaly
239, 226, 238

Tritanomaly
223, 229, 244

Monochromacy



Original Color
222, 228, 237

Achromatopsia
230, 230, 230

Achromatomaly
227, 229, 233

CSS Examples

Text

The CSS property to change the color of the text to RYB 222, 228, 237 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, 232, 237)` looks like.

```
.text, #text, p{  
    color:rgb(222, 232, 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(222, 232, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 232, 237) }
```

Border

The CSS property to change the border of an element to RYB 222, 228, 237 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, 232, 237) }
```

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

```
.border{ border-color:rgb(222, 232, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 232, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 232, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 232, 237);  
box-shadow:4px 4px 4px 4px rgb(222, 232,  
237) }
```

Background

The CSS property to change the background color of an element to RYB 222, 228, 237 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 232, 237) }
```

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

```
.background{ background-color: rgb(222,  
232, 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](#).

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