

Converting Colors

`RYB(213, 222, 228)`

Have a look what the booklet for RYB(213, 222, 228) contains.

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Color

R_YB(213, 222, 228)

Conversions

Conversions Part 1

Format	Color
Hex	D5E4DF
RGB	213, 228, 223
RGB Percent	84%, 89%, 87%
CMY	0.1647, 0.1059, 0.1255
CMYK	0.07, 0.00, 0.02, 0.11
HSL	160°, 22%, 86%
HSV	160°, 7%, 89%
XYZ	68.5033, 74.9607, 80.6704
YIQ	222.9450, -7.3350, -4.7350

Conversions

Conversions Part 2

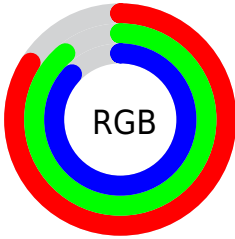
Format	Color
R _Y B	213, 222, 228
Decimal	14017759
CIE Lab	89.37, -5.91, 0.71
CIE LCh	89, 5.951, 173.178
Yxy	74.9607, 0.3056, 0.3344
Android (android.graphics.Color)	4292207839 (0xFFD5E4DF)
YUV	222.9450, 0.0271, -8.7218
Hunter-Lab	86.5798, -10.2828, 5.3627

Details

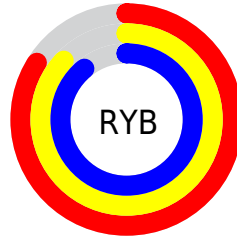
The RYB color **213, 222, 228** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **228, 213, 218**, and the grayscale version is **223, 223, 223**.

A 20% lighter version of the original color is **255, 255, 255**, and **158, 167, 173** is the 20% darker color. If you saturate the color by 10%, you get **190, 213, 228**, and if you desaturate by 10%, it is **236, 228, 231**.

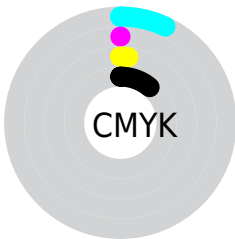
Distribution



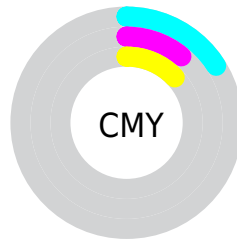
- Red (84%)
- Green (89%)
- Blue (87%)



- Red (84%)
- Yellow (87%)
- Blue (89%)



- Cyan (7%)
- Magenta (0%)
- Yellow (2%)
- Black (11%)



- Cyan (16%)
- Magenta (11%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the RYB color 213, 222, 228 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 213, 222, 228 by changing the saturation by 10% instead.

■ 213, 222, 228

255, 255, 255

■ 213, 222, 228

■ 185, 194, 200

■ 158, 167, 173

■ 132, 141, 146

■ 107, 115, 120

■ 83, 91, 96

■ 60, 67, 72

■ 38, 44, 49

■ 17, 23, 28

■ 0, 0, 0

 213, 222, 228

 213, 222, 228

 190, 213, 228


 236, 228, 231

 167, 203, 228


 255, 228, 238

 145, 195, 228


 255, 228, 246


 122, 185, 228


 255, 228, 253

 99, 176, 228

 255, 228, 255

 76, 167, 228

 53, 158, 228

 31, 149, 228

 8, 140, 228

Harmonies

Analogous

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



218, 227, 227



213, 222, 228



211, 220, 229

Triad

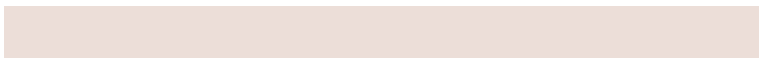
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



213, 222, 228



224, 224, 235



236, 225, 216

Complementary

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



213, 222, 228



228, 213, 218

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.



237, 221, 220



213, 222, 228



231, 222, 231

Square

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



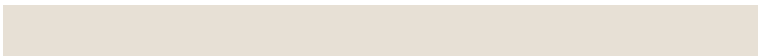
213, 222, 228



218, 223, 236



236, 221, 226



224, 231, 213

Rectangle

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



213, 222, 228



212, 221, 232



236, 221, 226



237, 224, 217

Sweetspot

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



213, 222, 228



250, 253, 255



213, 228, 223



125, 127, 128



0, 0, 0



128, 128, 128

Same Dimension

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



213, 222, 228



235, 247, 255



213, 220, 228



103, 110, 115



0, 108, 179



0, 31, 51

Inverse Universe

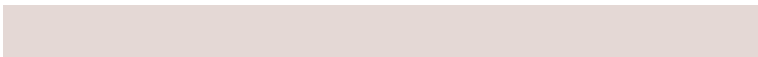
The Inverse Universe completely reimagines the original color for something new.



228, 213, 218



255, 235, 241



228, 217, 213



115, 103, 107



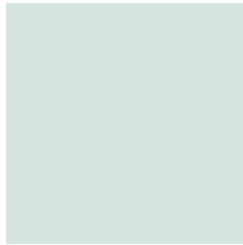
179, 0, 60



51, 0, 17

Previews

White Background



This preview shows how the RYB color 213, 222, 228 looks on a white background.

Color Contrast Check

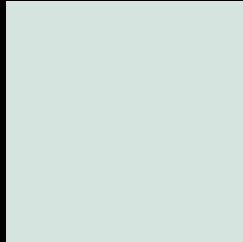
Large Text (above 18pt) WCAG AA × Fail

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 213, 222, 228 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

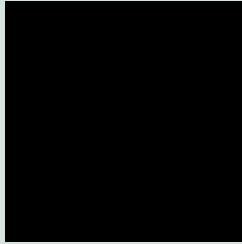
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

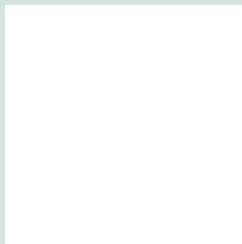
Any Text WCAG AAA ✓ Pass

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

RYB 213, 222, 228 Background



This preview shows how black text looks on a background with the RYB color 213, 222, 228.



This preview shows how white text looks on a background with the RYB color 213, 222, 228.

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

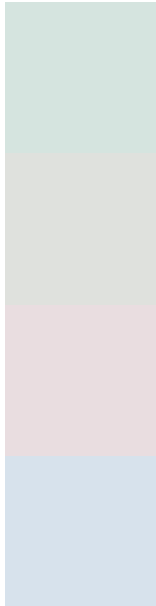




Tritanopia

216, 223, 243

Trichromacy



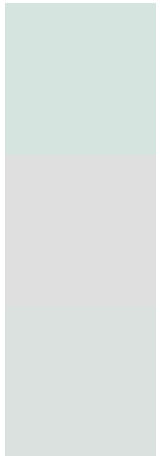
Original Color
213, 222, 228

Protanomaly
221, 225, 223

Deuteranomaly
233, 221, 224

Tritanomaly
215, 222, 236

Monochromacy



Original Color
213, 222, 228

Achromatopsia
223, 223, 223

Achromatomaly
219, 223, 225

CSS Examples

Text

The CSS property to change the color of the text to RYB 213, 222, 228 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(213, 228, 223)` looks like.

```
.text, #text, p{  
    color:rgb(213, 228, 223)  
}
```

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(213, 228, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 228, 223) }
```

Border

The CSS property to change the border of an element to RYB 213, 222, 228 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(213, 228, 223) }
```

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

```
.border{ border-color:rgb(213, 228, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 228, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 228, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 228, 223);  
box-shadow:4px 4px 4px 4px rgb(213, 228,  
223) }
```

Background

The CSS property to change the background color of an element to RGB 213, 228, 223 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 228, 223) }
```

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

```
.background{ background-color: rgb(213,  
228, 223) }
```

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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