

Converting Colors

`RYB(213, 232, 222)`

Have a look what the booklet for
RYB(213, 232, 222) contains.

RYB(213, 232, 222)	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

$\text{RYB}(213, 232, 222)$

Conversions

Conversions Part 1

Format	Color
Hex	DFE8D5
RGB	223, 232, 213
RGB Percent	87%, 91%, 84%
CMY	0.1255, 0.0902, 0.1647
CMYK	0.04, 0.00, 0.08, 0.09
HSL	88°, 29%, 87%
HSV	88°, 8%, 91%
XYZ	71.2983, 78.2053, 74.2881
YIQ	227.1430, 0.7350, -7.8170

Conversions

Conversions Part 2

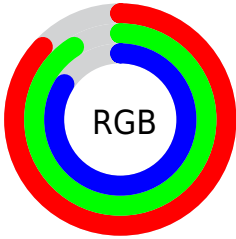
Format	Color
R _Y B	213, 232, 222
Decimal	14674133
CIE Lab	90.87, -6.35, 8.20
CIE LCh	91, 10.370, 127.785
Yxy	78.2053, 0.3186, 0.3495
Android (android.graphics.Color)	4292864213 (0xFFDFE8D5)
YUV	227.1430, -6.9725, -3.6334
Hunter-Lab	88.4338, -10.8464, 12.0975

Details

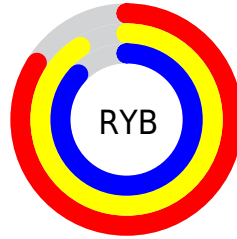
The RYB color **213, 232, 222** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **222, 213, 232**, and the grayscale version is **227, 227, 227**.

A 20% lighter version of the original color is **255, 255, 255**, and **158, 176, 166** is the 20% darker color. If you saturate the color by 10%, you get **190, 232, 210**, and if you desaturate by 10%, it is **234, 232, 236**.

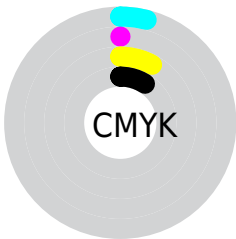
Distribution



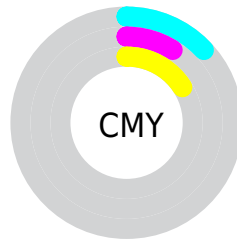
- Red (87%)
- Green (91%)
- Blue (84%)



- Red (84%)
- Yellow (91%)
- Blue (87%)



- Cyan (4%)
- Magenta (0%)
- Yellow (8%)
- Black (9%)



- Cyan (13%)
- Magenta (9%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the RYB color 213, 232, 222 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, 232, 222 by changing the saturation by 10% instead.

■ 213, 232, 222

255, 255, 255

■ 213, 232, 222

■ 185, 204, 194

■ 158, 176, 166

■ 132, 150, 141

■ 107, 124, 115

■ 83, 99, 91

■ 60, 75, 67

■ 38, 53, 46

■ 17, 31, 23

■ 0, 6, 6

 213, 232, 222

 213, 232, 222

 190, 232, 210

 234, 232, 236

 167, 232, 198

 245, 232, 255

 143, 232, 185

 255, 232, 255

 120, 232, 173

 97, 232, 161

 74, 232, 149

 51, 232, 137

 27, 232, 124

 4, 232, 112

Harmonies

Analogous

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



217, 235, 209



213, 232, 222



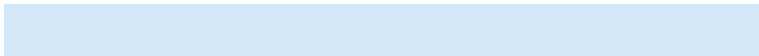
212, 228, 234

Triad

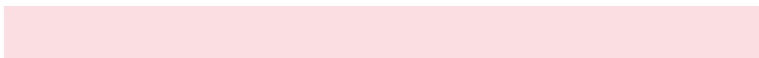
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



213, 232, 222



211, 224, 247



250, 222, 226

Complementary

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



213, 232, 222



222, 213, 232

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.



244, 223, 237



213, 232, 222



222, 228, 248

Square

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



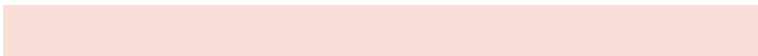
213, 232, 222



205, 221, 241



234, 226, 245



250, 224, 217

Rectangle

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



213, 232, 222



207, 223, 235



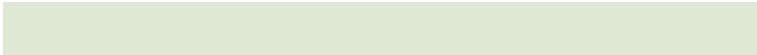
234, 226, 245



249, 222, 230

Sweetspot

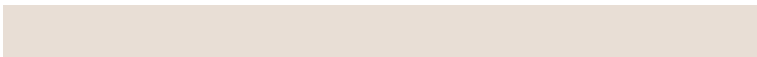
The Sweet Spot groups the original color and five complimentary colors.



213, 232, 222



250, 255, 252



232, 230, 213



125, 128, 127



0, 0, 0



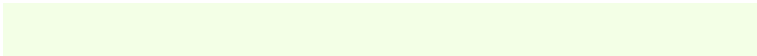
128, 128, 128

Same Dimension

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



213, 232, 222



230, 255, 242



213, 232, 231



103, 115, 109



0, 179, 85



0, 51, 24

Inverse Universe

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



222, 213, 232



242, 230, 255



231, 213, 232



109, 103, 115



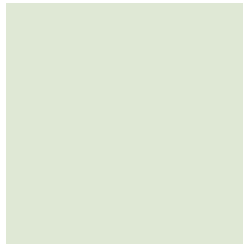
85, 0, 179



24, 0, 51

Previews

White Background



This preview shows how the RYB color 213, 232, 222 looks on a white background.

Color Contrast Check

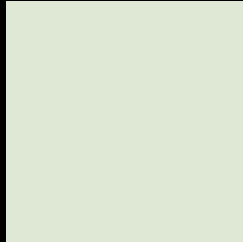
Large Text (above 18pt) WCAG AA × Fail

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, 232, 222 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

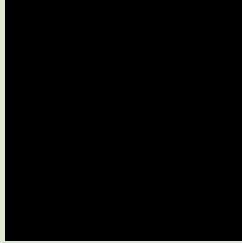
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

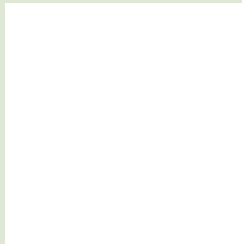
Any Text WCAG AAA ✓ Pass

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

RYB 213, 232, 222 Background



This preview shows how black text looks on a background with the RYB color 213, 232, 222.

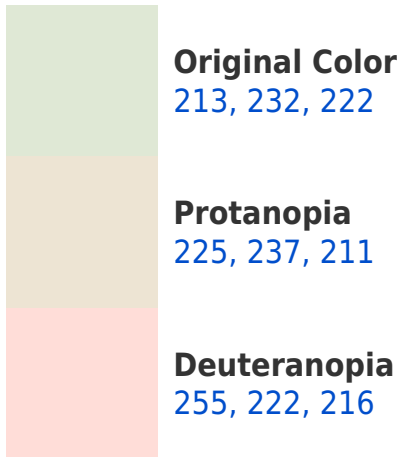


This preview shows how white text looks on a background with the RYB color 213, 232, 222.

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

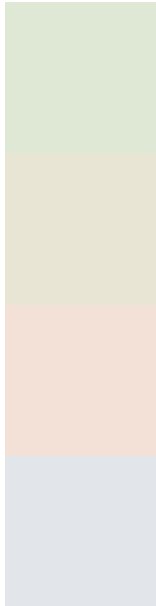




Tritanopia

228, 227, 245

Trichromacy



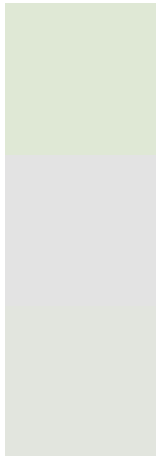
Original Color
213, 232, 222

Protanomaly
216, 232, 212

Deuteranomaly
243, 231, 215

Tritanomaly
226, 228, 233

Monochromacy



Original Color
213, 232, 222

Achromatopsia
227, 227, 227

Achromatomaly
222, 229, 225

CSS Examples

Text

The CSS property to change the color of the text to RYB 213, 232, 222 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(223, 232, 213)` looks like.

```
.text, #text, p{  
    color:rgb(223, 232, 213)  
}
```

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(223, 232, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 232, 213) }
```

Border

The CSS property to change the border of an element to RYB 213, 232, 222 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(223, 232, 213) }
```

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

```
.border{ border-color:rgb(223, 232, 213) }
```

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

Here you see how a box with a 4 pixel rgb(223, 232, 213) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 232, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 232, 213);  
box-shadow:4px 4px 4px 4px rgb(223, 232,  
213) }
```

Background

The CSS property to change the background color of an element to RYB 213, 232, 222 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 232, 213) }
```

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

```
.background{ background-color: rgb(223,  
232, 213) }
```

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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