

Converting Colors

`RYB(203, 232, 222)`

Have a look what the booklet for
RYB(203, 232, 222) contains.

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Color

R_{YB}(203, 232, 222)

Conversions

Conversions Part 1

Format	Color
Hex	D5E8CB
RGB	213, 232, 203
RGB Percent	84%, 91%, 80%
CMY	0.1647, 0.0902, 0.2039
CMYK	0.08, 0.00, 0.13, 0.09
HSL	99°, 39%, 85%
HSV	99°, 13%, 91%
XYZ	67.0767, 76.1712, 67.6671
YIQ	223.0130, -2.0150, -13.0470

Conversions

Conversions Part 2

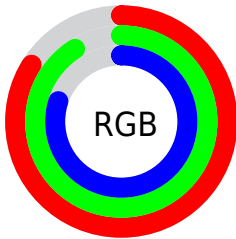
Format	Color
R_{YB}	203, 232, 222
Decimal	14018763
CIE Lab	89.94, -11.47, 11.98
CIE LCh	90, 16.587, 133.769
Yxy	76.1712, 0.3180, 0.3611
Android (android.graphics.Color)	4292208843 (0xFFD5E8CB)
YUV	223.0130, -9.8664, -8.7814
Hunter-Lab	87.2761, -15.5457, 15.1244

Details

The RYB color **203, 232, 222** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **222, 203, 232**, and the grayscale version is **223, 223, 223**.

A 20% lighter version of the original color is **255, 255, 255**, and **149, 176, 167** is the 20% darker color. If you saturate the color by 10%, you get **180, 232, 214**, and if you desaturate by 10%, it is **226, 232, 230**.

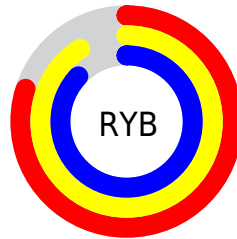
Distribution



Red (84%)

Green (91%)

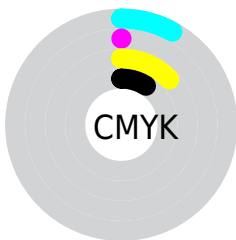
Blue (80%)



Red (80%)

Yellow (91%)

Blue (87%)

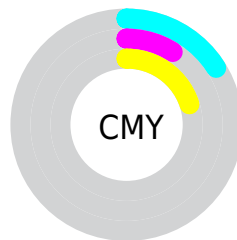


Cyan (8%)

Magenta (0%)

Yellow (13%)

Black (9%)



Cyan (16%)

Magenta (9%)

Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the RYB color 203, 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 203, 232, 222 by changing the saturation by 10% instead.

■ 203, 232, 222

255, 255, 255

■ 203, 232, 222

■ 176, 204, 195

■ 149, 176, 167

■ 123, 150, 141

■ 98, 124, 115

■ 74, 99, 91

■ 52, 75, 68

■ 30, 52, 45

■ 6, 31, 19

■ 0, 0, 0

 203, 232, 222

 203, 232, 222

 180, 232, 214

 226, 232, 230

 157, 232, 206

 243, 232, 249

 133, 232, 198

 255, 232, 255

 110, 232, 190

 87, 232, 182

 64, 232, 174

 41, 232, 166

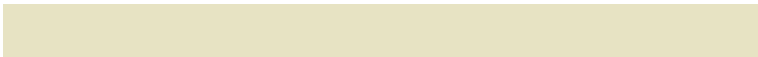
 17, 232, 158

 0, 232, 152

Harmonies

Analogous

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



200, 231, 195



203, 232, 222



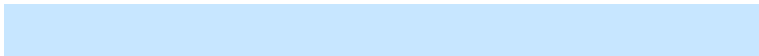
197, 222, 235

Triad

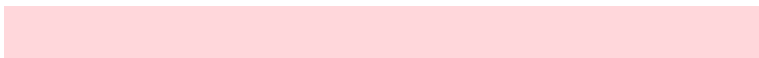
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



203, 232, 222



199, 219, 255



255, 215, 219

Complementary

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



203, 232, 222



222, 203, 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.



253, 216, 235



203, 232, 222



218, 224, 255

Square

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



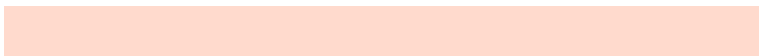
203, 232, 222



187, 213, 247



238, 220, 249



255, 223, 205

Rectangle

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



203, 232, 222



189, 215, 236



238, 220, 249



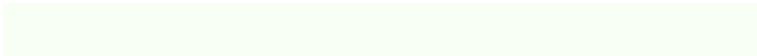
255, 215, 225

Sweetspot

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



203, 232, 222



245, 255, 252



218, 232, 203



121, 128, 126



0, 0, 0



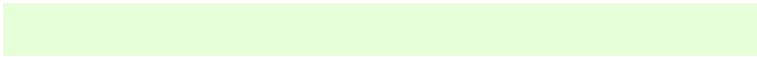
128, 128, 128

Same Dimension

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



203, 232, 222



217, 255, 242



203, 228, 232



103, 115, 111



0, 179, 117



0, 51, 33

Inverse Universe

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



222, 203, 232



242, 217, 255



232, 203, 228



111, 103, 115



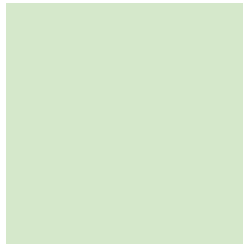
117, 0, 179



33, 0, 51

Previews

White Background



This preview shows how the RYB color 203, 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 203, 232, 222 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

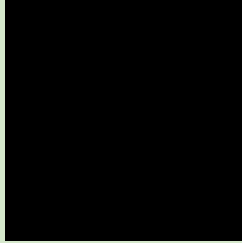
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

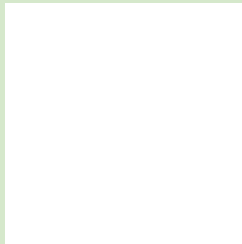
Any Text WCAG AAA ✓ Pass

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

R Y B 203, 232, 222 Background



This preview shows how black text looks on a background with the R Y B color 203, 232, 222.

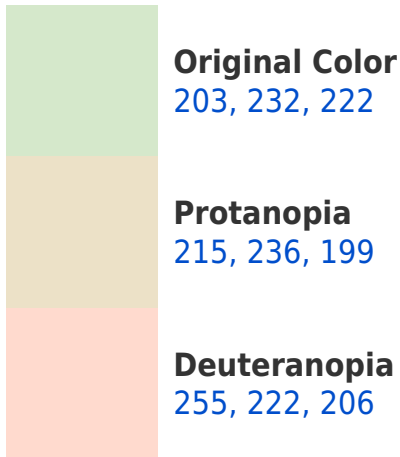


This preview shows how white text looks on a background with the R Y B color 203, 232, 222.

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](#).

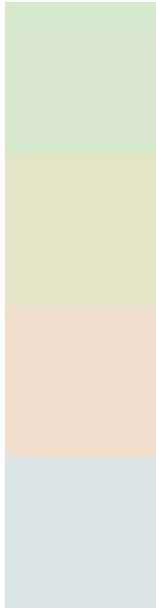
Dichromacy





Tritanopia
219, 224, 244

Trichromacy



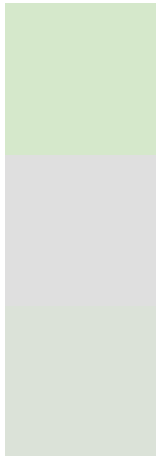
Original Color
203, 232, 222

Protanomaly
200, 228, 200

Deuteranomaly
238, 240, 205

Tritanomaly
217, 223, 229

Monochromacy



Original Color
203, 232, 222

Achromatopsia
223, 223, 223

Achromatomaly
216, 226, 223

CSS Examples

Text

The CSS property to change the color of the text to RYB 203, 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(213, 232, 203)` looks like.

```
.text, #text, p{  
    color:rgb(213, 232, 203)  
}
```

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, 232, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 232, 203) }
```

Border

The CSS property to change the border of an element to RYB 203, 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(213, 232, 203) }
```

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

```
.border{ border-color:rgb(213, 232, 203) }
```

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

Here you see how a box with a 4 pixel rgb(213, 232, 203) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 232, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 232, 203);  
box-shadow:4px 4px 4px 4px rgb(213, 232,  
203) }
```

Background

The CSS property to change the background color of an element to RYB 203, 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(213, 232, 203) }
```

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

```
.background{ background-color: rgb(213,  
232, 203) }
```

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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