

Converting Colors

`RYB(196, 222, 227)`

Have a look what the booklet for
RYB(196, 222, 227) contains.

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Color

R_YB(196, 222, 227)

Conversions

Conversions Part 1

Format	Color
Hex	C4E3CA
RGB	196, 227, 202
RGB Percent	77%, 89%, 79%
CMY	0.2314, 0.1098, 0.2080
CMYK	0.14, 0.00, 0.11, 0.11
HSL	132°, 36%, 83%
HSV	132°, 14%, 89%
XYZ	60.8902, 70.9364, 66.3361
YIQ	214.8810, -10.4510, -14.3470

Conversions

Conversions Part 2

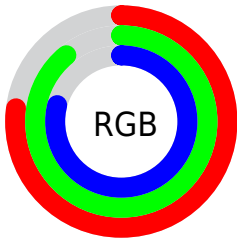
Format	Color
RYB	196, 222, 227
Decimal	12903370
CIELab	87.45, -14.89, 8.82
CIElCh	87, 17.310, 149.364
Yxy	70.9364, 0.3073, 0.3580
Android (android.graphics.Color)	4291093450 (0xFFC4E3CA)
YUV	214.8810, -6.3503, -16.5586
Hunter-Lab	84.2237, -18.3437, 12.2588

Details

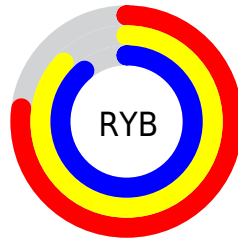
The RYB color **196, 222, 227** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **227, 196, 221**, and the grayscale version is **215, 215, 215**.

A 20% lighter version of the original color is **253, 254, 255**, and **142, 167, 172** is the 20% darker color. If you saturate the color by 10%, you get **173, 218, 227**, and if you desaturate by 10%, it is **219, 226, 227**.

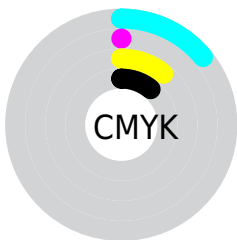
Distribution



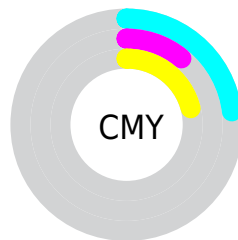
- Red (77%)
- Green (89%)
- Blue (79%)



- Red (77%)
- Yellow (87%)
- Blue (89%)



- Cyan (14%)
- Magenta (0%)
- Yellow (11%)
- Black (11%)



- Cyan (23%)
- Magenta (11%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the RYB color 196, 222, 227 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 196, 222, 227 by changing the saturation by 10% instead.


 196, 222, 227

255, 255, 255


253, 254, 255

 196, 222, 227

 169, 194, 199

 142, 167, 172

 116, 140, 145

 91, 114, 119

 67, 88, 94

 45, 66, 71

 23, 43, 48

 0, 24, 28

 0, 0, 0

 196, 222, 227

 196, 222, 227

 173, 218, 227

 219, 226, 227

 151, 215, 227

 241, 227, 239


 128, 211, 227


 255, 227, 255

 105, 207, 227

 83, 204, 227

 60, 200, 227

 37, 196, 227

 14, 193, 227

 0, 190, 227

Harmonies

Analogous

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



190, 223, 198



196, 222, 227



182, 209, 229

Triad

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



196, 222, 227



201, 215, 252



254, 210, 204

Complementary

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



196, 222, 227



227, 196, 221

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.



252, 208, 220



196, 222, 227



222, 215, 248

Square

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



196, 222, 227



184, 209, 247



241, 210, 236



247, 227, 191

Rectangle

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



196, 222, 227



177, 203, 229



241, 210, 236



254, 208, 209

Sweetspot

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



196, 222, 227



245, 253, 255



196, 227, 202



121, 127, 128



0, 0, 0



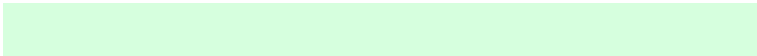
128, 128, 128

Same Dimension

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



196, 222, 227



214, 248, 255



196, 214, 227



103, 113, 115



0, 150, 179



0, 43, 51

Inverse Universe

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



227, 196, 221



255, 214, 247



227, 196, 206



115, 103, 113



179, 0, 144



51, 0, 41

Previews

White Background



This preview shows how the RYB color 196, 222, 227 looks on a white background.

Color Contrast Check

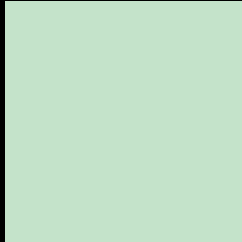
Large Text (above 18pt) WCAG AA × Fail

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 196, 222, 227 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

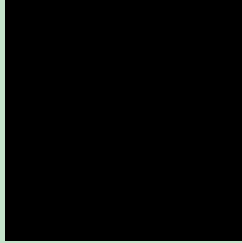
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

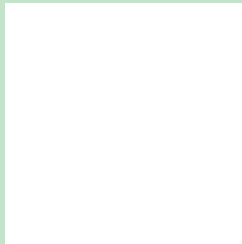
Any Text WCAG AAA ✓ Pass

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

R Y B 196, 222, 227 Background



This preview shows how black text looks on a background with the R Y B color 196, 222, 227.

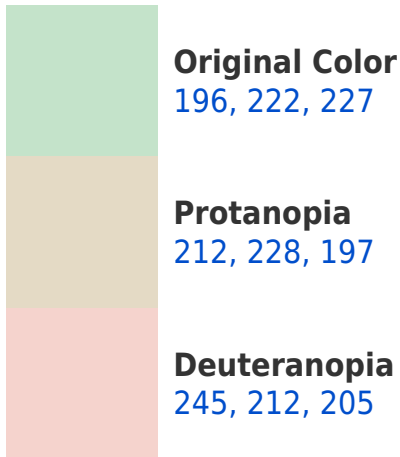


This preview shows how white text looks on a background with the R Y B color 196, 222, 227.

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
202, 215, 239

Trichromacy



Original Color

196, 222, 227

Protanomaly

199, 221, 204

Deuteranomaly

222, 227, 204

Tritanomaly

200, 212, 226

Monochromacy



Original Color

196, 222, 227

Achromatopsia

215, 215, 215

Achromatomaly

208, 217, 219

CSS Examples

Text

The CSS property to change the color of the text to RYB 196, 222, 227 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(196, 227, 202)` looks like.

```
.text, #text, p{  
    color:rgb(196, 227, 202)  
}
```

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(196, 227, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 227, 202) }
```

Border

The CSS property to change the border of an element to RYB 196, 222, 227 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(196, 227, 202) }
```

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

```
.border{ border-color:rgb(196, 227, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 227, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 227, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 227, 202);  
box-shadow:4px 4px 4px 4px rgb(196, 227,  
202) }
```

Background

The CSS property to change the background color of an element to RYB 196, 222, 227 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 227, 202) }
```

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

```
.background{ background-color: rgb(196,  
227, 202) }
```

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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