

Converting Colors

`RYB(193, 213, 232)`

Have a look what the booklet for
RYB(193, 213, 232) contains.

RYB(193, 213, 232)	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

R_YB(193, 213, 232)

Conversions

Conversions Part 1

Format	Color
Hex	C1E8E6
RGB	193, 232, 230
RGB Percent	76%, 91%, 90%
CMY	0.2431, 0.0902, 0.0978
CMYK	0.17, 0.00, 0.01, 0.09
HSL	177°, 46%, 83%
HSV	177°, 17%, 91%
XYZ	65.1389, 74.7667, 85.8980
YIQ	220.1110, -22.6020, -8.8900

Conversions

Conversions Part 2

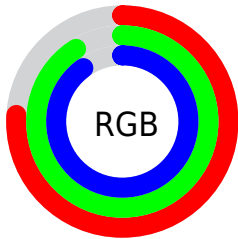
Format	Color
RYB	193, 213, 232
Decimal	12708070
CIELab	89.28, -12.98, -3.28
CIElCh	89, 13.386, 194.172
Yxy	74.7667, 0.2885, 0.3311
Android (android.graphics.Color)	4290898150 (0xFFC1E8E6)
YUV	220.1110, 4.8753, -23.7763
Hunter-Lab	86.4677, -16.8488, 1.6281

Details

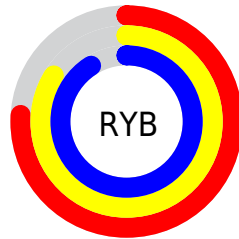
The RYB color **193, 213, 232** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **232, 193, 195**, and the grayscale version is **220, 220, 220**.

A 20% lighter version of the original color is **250, 253, 255**, and **139, 158, 176** is the 20% darker color. If you saturate the color by 10%, you get **170, 202, 232**, and if you desaturate by 10%, it is **216, 224, 232**.

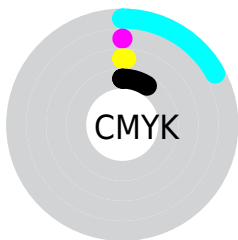
Distribution



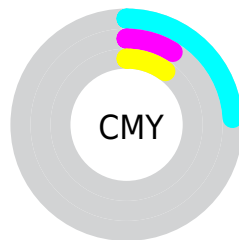
- Red (76%)
- Green (91%)
- Blue (90%)



- Red (76%)
- Yellow (84%)
- Blue (91%)



- Cyan (17%)
- Magenta (0%)
- Yellow (1%)
- Black (9%)



- Cyan (24%)
- Magenta (9%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the RYB color 193, 213, 232 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 193, 213, 232 by changing the saturation by 10% instead.

 193, 213, 232

255, 255, 255


 250, 253, 255

 193, 213, 232

 166, 186, 204

 139, 158, 176

 113, 132, 150

 88, 107, 124

 63, 82, 99

 40, 58, 75

 16, 34, 52

 0, 16, 31


 0, 0, 5

 193, 213, 232

 193, 213, 232

 170, 202, 232


 216, 224, 232

 147, 191, 232


 239, 232, 232

 123, 179, 232


 255, 232, 234

 100, 168, 232


 255, 232, 235

 77, 157, 232

 255, 232, 236

 54, 145, 232


 255, 232, 237

 31, 134, 232

 255, 232, 238

 7, 122, 232

 255, 232, 239

 0, 119, 232

 255, 232, 240

Harmonies

Analogous

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



201, 221, 231



193, 213, 232



194, 215, 242

Triad

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



193, 213, 232



234, 219, 243



242, 242, 200

Complementary

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



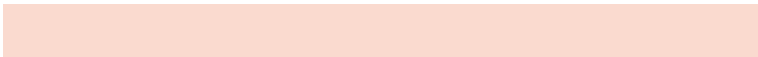
193, 213, 232



232, 193, 195

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.



250, 222, 207



193, 213, 232



246, 216, 232

Square

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



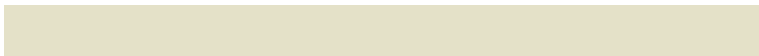
193, 213, 232



218, 222, 249



252, 216, 219



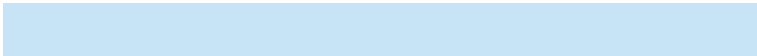
203, 228, 200

Rectangle

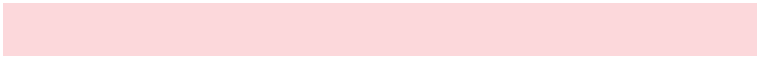
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



193, 213, 232



199, 217, 247



252, 216, 219



245, 233, 202

Sweetspot

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



193, 213, 232



242, 249, 255



193, 232, 230



120, 124, 128



0, 0, 0



128, 128, 128

Same Dimension

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



193, 213, 232



204, 230, 255



193, 207, 232



103, 109, 115



0, 92, 179



0, 26, 51

Inverse Universe

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



232, 193, 195



255, 204, 207



232, 226, 193



115, 103, 104



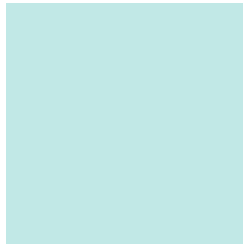
179, 0, 9



51, 0, 3

Previews

White Background



This preview shows how the RYB color 193, 213, 232 looks on a white background.

Color Contrast Check

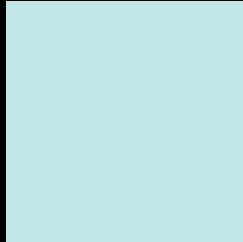
Large Text (above 18pt) WCAG AA × Fail

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 193, 213, 232 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

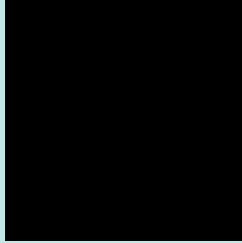
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

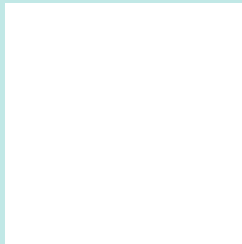
Any Text WCAG AAA ✓ Pass

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

RYB 193, 213, 232 Background



This preview shows how black text looks on a background with the RYB color 193, 213, 232.

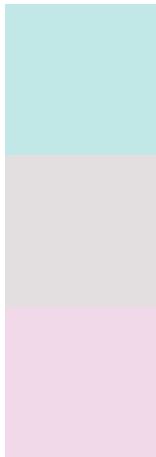


This preview shows how white text looks on a background with the RYB color 193, 213, 232.

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
193, 213, 232

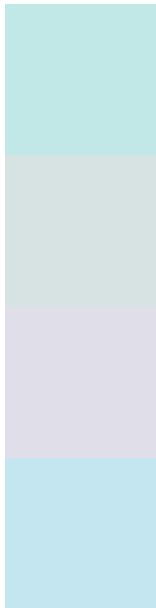
Protanopia
227, 223, 225

Deuteranopia
241, 217, 233



Tritanopia
196, 216, 248

Trichromacy



Original Color
193, 213, 232

Protanomaly
215, 221, 227

Deuteranomaly
224, 222, 232

Tritanomaly
195, 215, 241

Monochromacy



Original Color
193, 213, 232

Achromatopsia
220, 220, 220

Achromatomaly
210, 217, 224

CSS Examples

Text

The CSS property to change the color of the text to RYB 193, 213, 232 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(193, 232, 230)` looks like.

```
.text, #text, p{  
    color:rgb(193, 232, 230)  
}
```

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(193, 232, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 232, 230) }
```

Border

The CSS property to change the border of an element to RYB 193, 213, 232 is called "border". The border property can be set on classes, ids or directly on the HTML element.

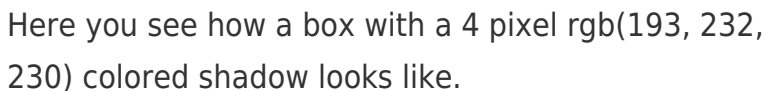
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(193, 232, 230) }
```

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

```
.border{ border-color:rgb(193, 232, 230) }
```

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



Here you see how a box with a 4 pixel `rgb(193, 232, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(193, 232, 230); -webkit-box-shadow:4px 4px 4px 4px rgb(193, 232, 230); box-shadow:4px 4px 4px 4px rgb(193, 232, 230) }
```

Background

The CSS property to change the background color of an element to RYB 193, 213, 232 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 232, 230) }
```

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

```
.background{ background-color: rgb(193,  
232, 230) }
```

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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