

Converting Colors

`RYB(191, 213, 237)`

Have a look what the booklet for RYB(191, 213, 237) contains.

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Color

R_YB(191, 213, 237)

Conversions

Conversions Part 1

Format	Color
Hex	BFE9ED
RGB	191, 233, 237
RGB Percent	75%, 91%, 93%
CMY	0.2510, 0.0856, 0.0706
CMYK	0.19, 0.02, 0.00, 0.07
HSL	185°, 56%, 84%
HSV	185°, 19%, 93%
XYZ	65.9580, 75.5630, 91.2295
YIQ	220.8980, -26.3160, -7.6600

Conversions

Conversions Part 2

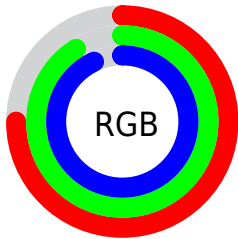
Format	Color
R _{YB}	191, 213, 237
Decimal	12577261
CIE Lab	89.66, -12.74, -6.38
CIE LCh	90, 14.253, 206.601
Yxy	75.5630, 0.2834, 0.3247
Android (android.graphics.Color)	4290767341 (0xFFBFE9ED)
YUV	220.8980, 7.9383, -26.2205
Hunter-Lab	86.9270, -16.6809, -1.3757

Details

The RYB color **191, 213, 237** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **237, 195, 191**, and the grayscale version is **221, 221, 221**.

A 20% lighter version of the original color is **248, 252, 255**, and **137, 158, 181** is the 20% darker color. If you saturate the color by 10%, you get **167, 200, 237**, and if you desaturate by 10%, it is **215, 225, 237**.

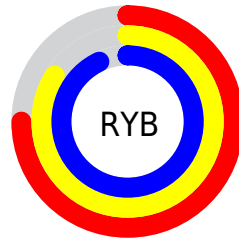
Distribution



Red (75%)

Green (91%)

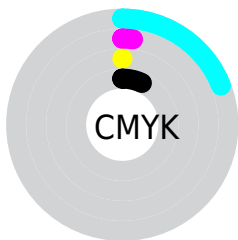
Blue (93%)



Red (75%)

Yellow (84%)

Blue (93%)

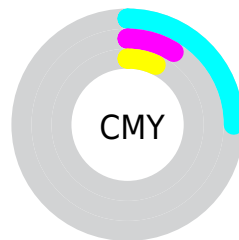


Cyan (19%)

Magenta (2%)

Yellow (0%)

Black (7%)



Cyan (25%)

Magenta (9%)

Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the RYB color 191, 213, 237 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 191, 213, 237 by changing the saturation by 10% instead.

 191, 213, 237


255, 255, 255


 248, 252, 255


 191, 213, 237

 164, 185, 209

 137, 158, 181


 111, 132, 154

 85, 106, 128

 61, 81, 103

 37, 57, 79

 10, 32, 56

 0, 17, 35

 0, 1, 14

191, 213, 237

191, 213, 237

167, 200, 237

215, 225, 237

144, 188, 237

238, 237, 237

120, 176, 237

255, 239, 237

96, 163, 237

255, 242, 237

73, 151, 237

255, 246, 237

49, 139, 237

255, 251, 237

25, 126, 237

251, 255, 237

1, 114, 237

246, 255, 237

0, 113, 237

242, 255, 237

Harmonies

Analogous

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



196, 217, 233



191, 213, 237



196, 217, 248

Triad

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



191, 213, 237



242, 218, 241



220, 238, 198

Complementary

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



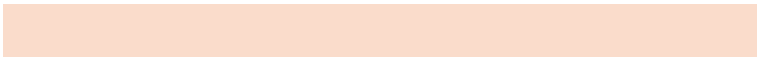
191, 213, 237



237, 195, 191

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, 230, 203



191, 213, 237



252, 216, 227

Square

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



191, 213, 237



226, 222, 250



255, 217, 214



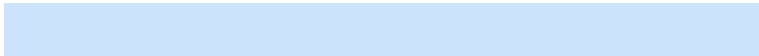
201, 228, 206

Rectangle

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



191, 213, 237



204, 220, 251



255, 217, 214



239, 243, 199

Sweetspot

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



191, 213, 237



240, 247, 255



191, 233, 237



119, 123, 128



0, 0, 0



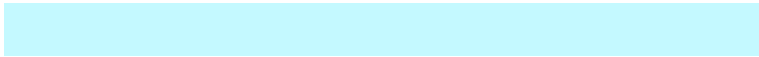
128, 128, 128

Same Dimension

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



191, 213, 237



196, 224, 255



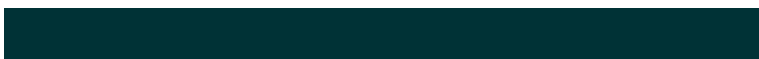
191, 205, 237



106, 111, 117



0, 87, 181



0, 26, 54

Inverse Universe

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



237, 191, 233



255, 196, 250



223, 237, 191



117, 106, 116



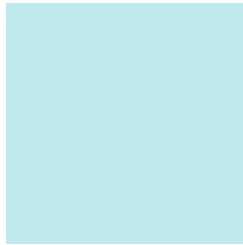
181, 0, 166



54, 0, 49

Previews

White Background



This preview shows how the RYB color 191, 213, 237 looks on a white background.

Color Contrast Check

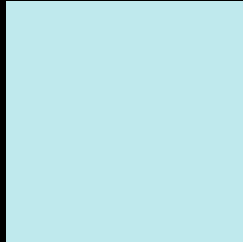
Large Text (above 18pt) WCAG AA × Fail

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 191, 213, 237 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

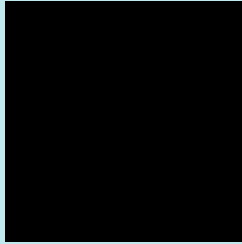
Any Text WCAG AA ✓ Pass

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 191, 213, 237 Background



This preview shows how black text looks on a background with the RYB color 191, 213, 237.




This preview shows how white text looks on a background with the RYB color 191, 213, 237.

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](#).

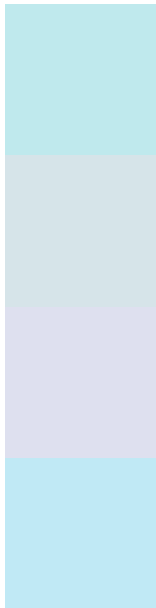
Dichromacy





Tritanopia
193, 216, 250

Trichromacy



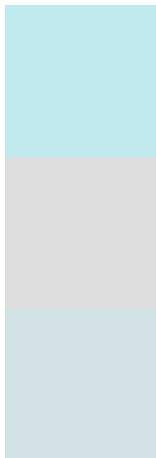
Original Color
191, 213, 237

Protanomaly
214, 222, 233

Deuteranomaly
222, 224, 239

Tritanomaly
192, 215, 245

Monochromacy



Original Color
191, 213, 237

Achromatopsia
221, 221, 221

Achromatomaly
210, 218, 227

CSS Examples

Text

The CSS property to change the color of the text to RYB 191, 213, 237 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(191, 233, 237)` looks like.

```
.text, #text, p{  
    color:rgb(191, 233, 237)  
}
```

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(191, 233, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 233, 237) }
```

Border

The CSS property to change the border of an element to RYB 191, 213, 237 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(191, 233, 237) }
```

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

```
.border{ border-color:rgb(191, 233, 237) }
```

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

Here you see how a box with a 4 pixel rgb(191, 233, 237) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 233, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 233, 237);  
box-shadow:4px 4px 4px 4px rgb(191, 233,  
237) }
```

Background

The CSS property to change the background color of an element to RYB 191, 213, 237 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 233, 237) }
```

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

```
.background{ background-color: rgb(191,  
233, 237) }
```

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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