

Converting Colors

`RYB(190, 210, 237)`

Have a look what the booklet for RYB(190, 210, 237) contains.

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Color

R_YB(190, 210, 237)

Conversions

Conversions Part 1

Format	Color
Hex	BEE1ED
RGB	190, 225, 237
RGB Percent	75%, 88%, 93%
CMY	0.2549, 0.1184, 0.0706
CMYK	0.20, 0.05, 0.00, 0.07
HSL	196°, 57%, 84%
HSV	196°, 20%, 93%
XYZ	63.3964, 70.8119, 90.4475
YIQ	215.9030, -24.7120, -3.6880

Conversions

Conversions Part 2

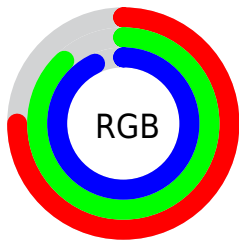
Format	Color
R_{YB}	190, 210, 237
Decimal	12509677
CIE _{Lab}	87.39, -8.80, -9.74
CIE _{LCh}	87, 13.128, 227.915
Yxy	70.8119, 0.2822, 0.3152
Android (android.graphics.Color)	4290699757 (0xFFBEE1ED)
YUV	215.9030, 10.4008, -22.7169
Hunter-Lab	84.1498, -12.7846, -4.8223

Details

The RYB color **190, 210, 237** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **237, 206, 190**, and the grayscale version is **216, 216, 216**.

A 20% lighter version of the original color is **247, 251, 255**, and **136, 155, 181** is the 20% darker color. If you saturate the color by 10%, you get **166, 196, 237**, and if you desaturate by 10%, it is **214, 224, 237**.

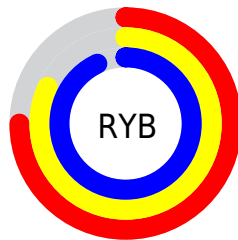
Distribution



Red (75%)

Green (88%)

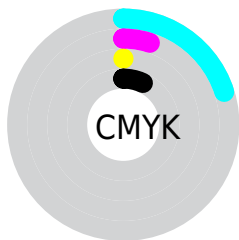
Blue (93%)



Red (75%)

Yellow (82%)

Blue (93%)

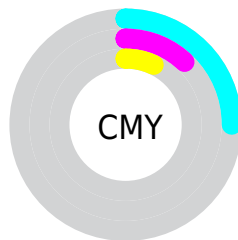


Cyan (20%)

Magenta (5%)

Yellow (0%)

Black (7%)



Cyan (25%)

Magenta (12%)

Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the RYB color 190, 210, 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 190, 210, 237 by changing the saturation by 10% instead.

 190, 210, 237


255, 255, 255


 247, 251, 255

 190, 210, 237

 163, 183, 209


 136, 155, 181

 110, 129, 154


 85, 103, 128

 60, 79, 103

 36, 55, 79

 11, 31, 56

 0, 15, 35

 0, 1, 13

■ 190, 210, 237

■ 190, 210, 237

■ 166, 196, 237

■ 214, 224, 237

■ 143, 183, 237

■ 237, 237, 237

■ 119, 169, 237

■ 255, 246, 237

■ 95, 155, 237

■ 246, 255, 237

■ 71, 142, 237

■ 237, 255, 237

■ 48, 128, 237

■ 24, 115, 237

■ 0, 101, 237

Harmonies

Analogous

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



188, 207, 226



190, 210, 237



200, 215, 243

Triad

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



190, 210, 237



242, 211, 225



195, 221, 195

Complementary

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



190, 210, 237



237, 206, 190

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.



228, 234, 195



190, 210, 237



246, 211, 212

Square

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



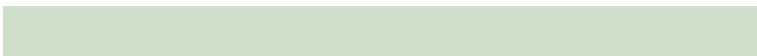
190, 210, 237



230, 214, 236



243, 218, 201



202, 224, 219

Rectangle

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



190, 210, 237



210, 217, 243



243, 218, 201



203, 226, 194

Sweetspot

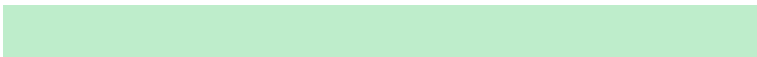
The Sweet Spot groups the original color and five complimentary colors.



190, 210, 237



240, 246, 255



190, 227, 237



119, 123, 128



0, 0, 0



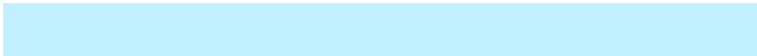
128, 128, 128

Same Dimension

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



190, 210, 237



194, 220, 255



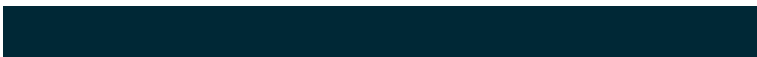
190, 200, 237



106, 111, 117



0, 77, 181



0, 23, 54

Inverse Universe

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



237, 190, 225



255, 194, 239



206, 237, 190



117, 106, 114



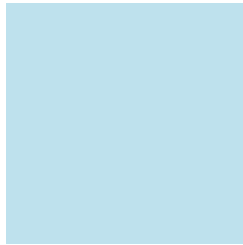
181, 0, 134



54, 0, 40

Previews

White Background



This preview shows how the RYB color 190, 210, 237 looks on a white background.

Color Contrast Check

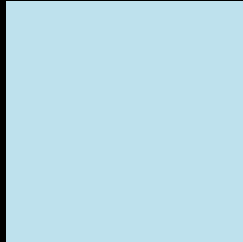
Large Text (above 18pt) WCAG AA × Fail

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 190, 210, 237 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

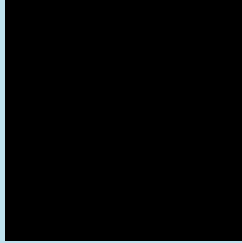
Any Text WCAG AA ✓ Pass

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 190, 210, 237 Background



This preview shows how black text looks on a background with the RYB color 190, 210, 237.



This preview shows how white text looks on a background with the RYB color 190, 210, 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](#).

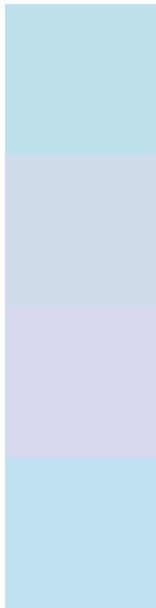
Dichromacy





Tritanopia
191, 211, 242

Trichromacy



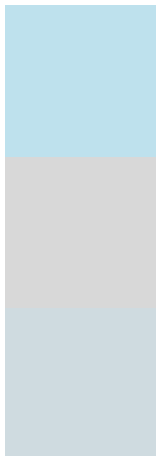
Original Color
190, 210, 237

Protanomaly
208, 216, 234

Deuteranomaly
215, 217, 239

Tritanomaly
191, 211, 240

Monochromacy



Original Color
190, 210, 237

Achromatopsia
216, 216, 216

Achromatomaly
207, 214, 224

CSS Examples

Text

The CSS property to change the color of the text to RYB 190, 210, 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(190, 225, 237)` looks like.

```
.text, #text, p{  
    color:rgb(190, 225, 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(190, 225, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 225, 237) }
```

Border

The CSS property to change the border of an element to RYB 190, 210, 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(190, 225, 237) }
```

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

```
.border{ border-color:rgb(190, 225, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 225, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 225, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 225, 237);  
box-shadow:4px 4px 4px 4px rgb(190, 225,  
237) }
```

Background

The CSS property to change the background color of an element to RYB 190, 210, 237 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 225, 237) }
```

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

```
.background{ background-color: rgb(190,  
225, 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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