

Converting Colors

`RYB(187, 215, 236)`

Have a look what the booklet for
RYB(187, 215, 236) contains.

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Color

R_YB(187, 215, 236)

Conversions

Conversions Part 1

Format	Color
Hex	BBECE0
RGB	187, 236, 224
RGB Percent	73%, 93%, 88%
CMY	0.2667, 0.0745, 0.1225
CMYK	0.21, 0.00, 0.05, 0.07
HSL	165°, 56%, 83%
HSV	165°, 21%, 93%
XYZ	63.9096, 75.9240, 81.6298
YIQ	219.9810, -25.3520, -14.1200

Conversions

Conversions Part 2

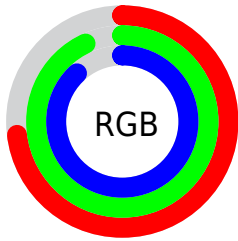
Format	Color
R _{YB}	187, 215, 236
Decimal	12315872
CIE Lab	89.82, -18.10, 0.77
CIE LCh	90, 18.115, 177.573
Yxy	75.9240, 0.2886, 0.3428
Android (android.graphics.Color)	4290505952 (0xFFBBECE0)
YUV	219.9810, 1.9814, -28.9243
Hunter-Lab	87.1344, -21.5624, 5.4496

Details

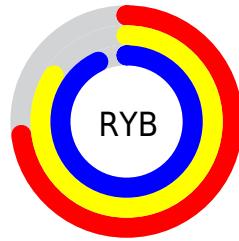
The RYB color **187, 215, 236** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **236, 187, 199**, and the grayscale version is **220, 220, 220**.

A 20% lighter version of the original color is **244, 250, 255**, and **133, 160, 180** is the 20% darker color. If you saturate the color by 10%, you get **163, 205, 236**, and if you desaturate by 10%, it is **211, 225, 236**.

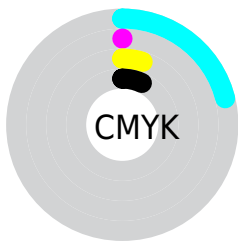
Distribution



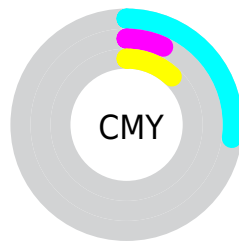
- Red (73%)
- Green (93%)
- Blue (88%)



- Red (73%)
- Yellow (84%)
- Blue (93%)



- Cyan (21%)
- Magenta (0%)
- Yellow (5%)
- Black (7%)



- Cyan (27%)
- Magenta (7%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the RYB color 187, 215, 236 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 187, 215, 236 by changing the saturation by 10% instead.

 187, 215, 236

255, 255, 255


 244, 250, 255

 187, 215, 236


 160, 187, 208

 133, 160, 180


 107, 133, 153

 82, 107, 127

 57, 82, 102

 33, 58, 78

 6, 33, 55

 0, 18, 33


 0, 0, 0

 187, 215, 236

 187, 215, 236

 163, 205, 236


 211, 225, 236

 140, 195, 236


 234, 235, 236

 116, 185, 236


 255, 236, 241

 93, 175, 236


 255, 236, 247


 69, 165, 236

 255, 236, 253

 45, 154, 236

 255, 236, 255

 22, 144, 236

 0, 135, 236

Harmonies

Analogous

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



203, 230, 234



187, 215, 236



181, 210, 241

Triad

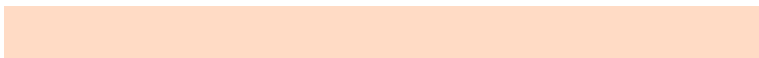
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



187, 215, 236



227, 222, 255



255, 232, 197

Complementary

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



187, 215, 236



236, 187, 199

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.



255, 215, 211



187, 215, 236



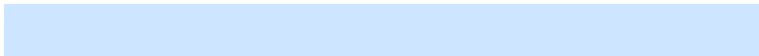
247, 217, 245

Square

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



187, 215, 236



205, 221, 255



255, 214, 228



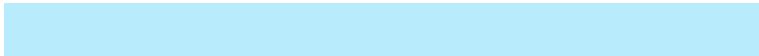
218, 241, 192

Rectangle

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



187, 215, 236



184, 213, 251



255, 214, 228



255, 224, 201

Sweetspot

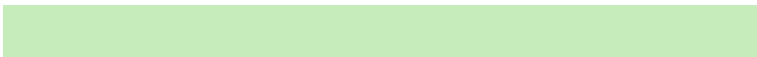
The Sweet Spot groups the original color and five complimentary colors.



187, 215, 236



240, 249, 255



187, 236, 224



119, 124, 128



0, 0, 0



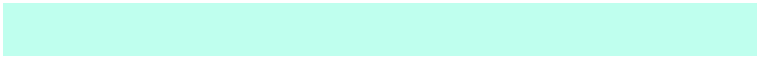
128, 128, 128

Same Dimension

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



187, 215, 236



191, 228, 255



187, 208, 236



106, 112, 117



0, 103, 181



0, 31, 54

Inverse Universe

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



236, 187, 199



255, 191, 207



236, 203, 187



117, 106, 109



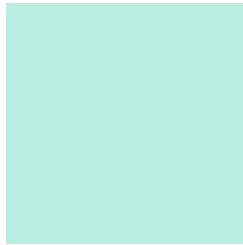
181, 0, 45



54, 0, 13

Previews

White Background



This preview shows how the RYB color 187, 215, 236 looks on a white background.

Color Contrast Check

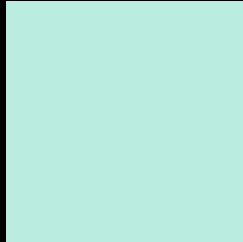
Large Text (above 18pt) WCAG AA × Fail

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 187, 215, 236 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

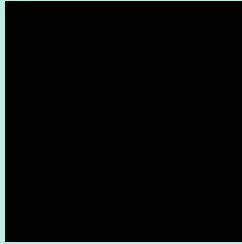
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

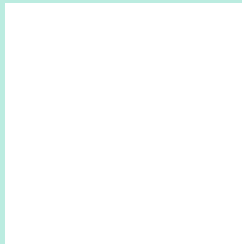
Any Text WCAG AAA ✓ Pass

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

RYB 187, 215, 236 Background



This preview shows how black text looks on a background with the RYB color 187, 215, 236.



This preview shows how white text looks on a background with the RYB color 187, 215, 236.

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





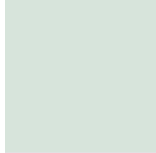
Tritanopia
192, 216, 251

Trichromacy



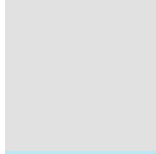
Original Color

187, 215, 236



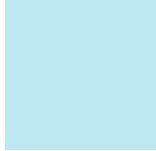
Protanomaly

215, 225, 228



Deuteranomaly

225, 225, 226



Tritanomaly

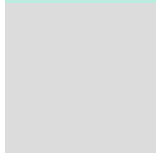
190, 213, 241

Monochromacy



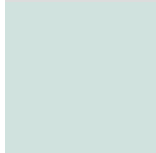
Original Color

187, 215, 236



Achromatopsia

220, 220, 220



Achromatomaly

208, 218, 226

CSS Examples

Text

The CSS property to change the color of the text to RYB 187, 215, 236 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(187, 236, 224)` looks like.

```
.text, #text, p{  
    color:rgb(187, 236, 224)  
}
```

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(187, 236, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 236, 224) }
```

Border

The CSS property to change the border of an element to RYB 187, 215, 236 is called "border". The border property can be set on classes, ids or directly on the HTML element.

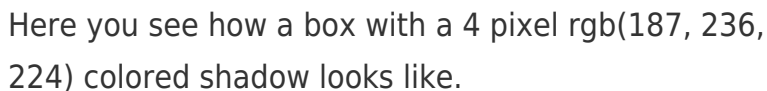
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(187, 236, 224) }
```

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

```
.border{ border-color:rgb(187, 236, 224) }
```

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



Here you see how a box with a 4 pixel `rgb(187, 236, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(187, 236, 224); -webkit-box-shadow:4px 4px 4px 4px rgb(187, 236, 224); box-shadow:4px 4px 4px 4px rgb(187, 236, 224) }
```

Background

The CSS property to change the background color of an element to RYB 187, 215, 236 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 236, 224) }
```

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

```
.background{ background-color: rgb(187,  
236, 224) }
```

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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