

Converting Colors

`RYB(187, 216, 242)`

Have a look what the booklet for
RYB(187, 216, 242) contains.

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Color

R_YB(187, 216, 242)

Conversions

Conversions Part 1

Format	Color
Hex	BBF2EC
RGB	187, 242, 236
RGB Percent	73%, 95%, 93%
CMY	0.2667, 0.0510, 0.0733
CMYK	0.23, 0.00, 0.02, 0.05
HSL	174°, 68%, 84%
HSV	174°, 23%, 95%
XYZ	67.4311, 80.1432, 91.5087
YIQ	224.8710, -30.8540, -13.5260

Conversions

Conversions Part 2

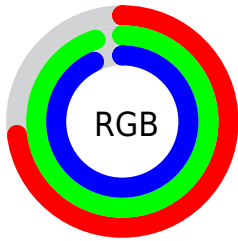
Format	Color
R _{YB}	187, 216, 242
Decimal	12317420
CIE _{Lab}	91.75, -18.49, -2.97
CIE _{LCh}	92, 18.731, 189.110
Yxy	80.1432, 0.2820, 0.3352
Android (android.graphics.Color)	4290507500 (0xFFBBF2EC)
YUV	224.8710, 5.4866, -33.2129
Hunter-Lab	89.5228, -22.2135, 2.0607

Details

The RYB color **187, 216, 242** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **242, 187, 193**, and the grayscale version is **225, 225, 225**.

A 20% lighter version of the original color is **244, 250, 255**, and **132, 161, 186** is the 20% darker color. If you saturate the color by 10%, you get **163, 205, 242**, and if you desaturate by 10%, it is **211, 227, 242**.

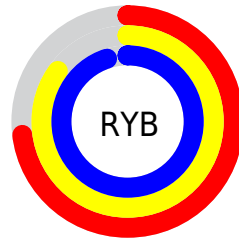
Distribution



Red (73%)

Green (95%)

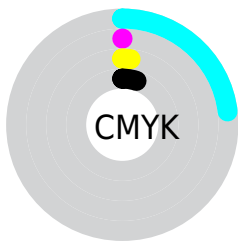
Blue (93%)



Red (73%)

Yellow (85%)

Blue (95%)

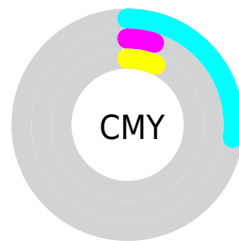


Cyan (23%)

Magenta (0%)

Yellow (2%)

Black (5%)



Cyan (27%)

Magenta (5%)

Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the RYB color 187, 216, 242 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, 216, 242 by changing the saturation by 10% instead.


 187, 216, 242

255, 255, 255


 244, 250, 255

 187, 216, 242


 159, 188, 214


 132, 160, 186


 106, 134, 159

 81, 108, 132

 55, 82, 107

 30, 58, 83

 0, 30, 59

 0, 19, 37

 0, 6, 13

187, 216, 242

187, 216, 242

163, 205, 242

211, 227, 242

139, 193, 242

235, 239, 242

114, 181, 242

255, 242, 244

90, 170, 242

255, 242, 246

66, 159, 242

255, 242, 249

42, 148, 242

255, 242, 251

18, 136, 242

255, 242, 254

0, 128, 242

255, 242, 255

Harmonies

Analogous

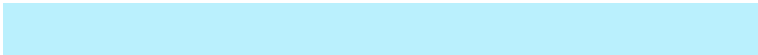
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



200, 228, 241



187, 216, 242



186, 216, 253

Triad

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



187, 216, 242



242, 225, 255



255, 253, 198

Complementary

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



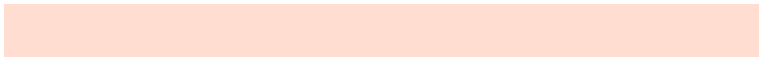
187, 216, 242



242, 187, 193

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, 225, 209



187, 216, 242



255, 220, 245

Square

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



187, 216, 242



219, 228, 255



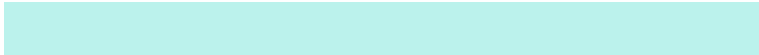
255, 219, 226



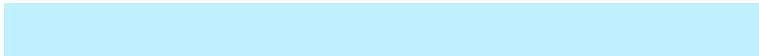
206, 240, 196

Rectangle

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



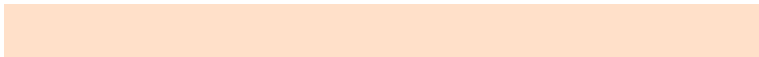
187, 216, 242



192, 219, 255



255, 219, 226



255, 241, 201

Sweetspot

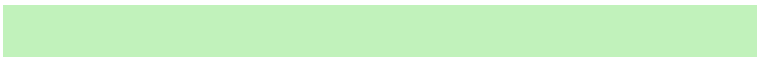
The Sweet Spot groups the original color and five complimentary colors.



187, 216, 242



237, 247, 255



187, 242, 236



117, 123, 128



0, 0, 0



128, 128, 128

Same Dimension

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



187, 216, 242



186, 222, 255



187, 208, 242



108, 114, 120



0, 97, 184



0, 30, 56

Inverse Universe

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



242, 187, 193



255, 186, 193



242, 221, 187



120, 108, 109



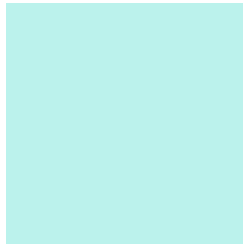
184, 0, 19



56, 0, 6

Previews

White Background



This preview shows how the RYB color 187, 216, 242 looks on a white background.

Color Contrast Check

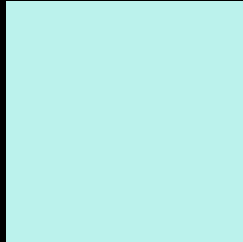
Large Text (above 18pt) WCAG AA × Fail

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, 216, 242 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, 216, 242 Background



This preview shows how black text looks on a background with the RYB color 187, 216, 242.



This preview shows how white text looks on a background with the RYB color 187, 216, 242.

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





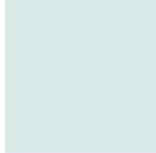
Tritanopia
196, 221, 255

Trichromacy



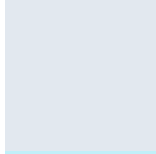
Original Color

187, 216, 242



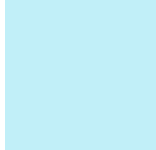
Protanomaly

218, 227, 234



Deuteranomaly

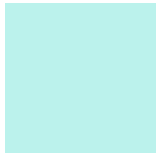
226, 230, 239



Tritanomaly

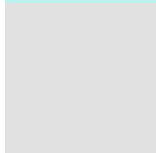
193, 218, 248

Monochromacy



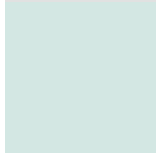
Original Color

187, 216, 242



Achromatopsia

225, 225, 225



Achromatomaly

211, 222, 231

CSS Examples

Text

The CSS property to change the color of the text to RYB 187, 216, 242 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, 242, 236)` looks like.

```
.text, #text, p{  
    color:rgb(187, 242, 236)  
}
```

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, 242, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 242, 236) }
```

Border

The CSS property to change the border of an element to RYB 187, 216, 242 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, 242, 236) }
```

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

```
.border{ border-color:rgb(187, 242, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 242, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 242, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 242, 236);  
box-shadow:4px 4px 4px 4px rgb(187, 242,  
236) }
```

Background

The CSS property to change the background color of an element to RYB 187, 216, 242 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 242, 236) }
```

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

```
.background{ background-color: rgb(187,  
242, 236) }
```

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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