

Converting Colors

`RYB(189, 219, 244)`

Have a look what the booklet for
RYB(189, 219, 244) contains.

RYB(189, 219, 244)	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(189, 219, 244)

Conversions

Conversions Part 1

Format	Color
Hex	<code>BDF4EB</code>
RGB	<code>189, 244, 235</code>
RGB Percent	<code>74%, 96%, 92%</code>
CMY	<code>0.2588, 0.0431, 0.0791</code>
CMYK	<code>0.23, 0.00, 0.04, 0.04</code>
HSL	<code>170°, 71%, 85%</code>
HSV	<code>170°, 23%, 96%</code>
XYZ	<code>68.3083, 81.5087, 90.6036</code>
YIQ	<code>226.5290, -29.8910, -14.4590</code>

Conversions

Conversions Part 2

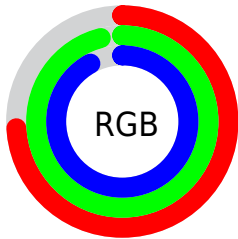
Format	Color
R _Y B	189, 219, 244
Decimal	12449003
CIE Lab	92.36, -19.19, -1.29
CIE LCh	92, 19.236, 183.852
Yxy	81.5087, 0.2841, 0.3390
Android (android.graphics.Color)	4290639083 (0xFFBDF4EB)
YUV	226.5290, 4.1762, -32.9129
Hunter-Lab	90.2822, -22.9392, 3.6964

Details

The RYB color **189, 219, 244** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **244, 189, 198**, and the grayscale version is **226, 226, 226**.

A 20% lighter version of the original color is **246, 251, 255**, and **134, 163, 188** is the 20% darker color. If you saturate the color by 10%, you get **165, 208, 244**, and if you desaturate by 10%, it is **213, 230, 244**.

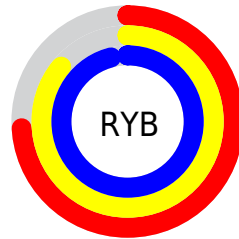
Distribution



Red (74%)

Green (96%)

Blue (92%)



Red (74%)

Yellow (86%)

Blue (96%)

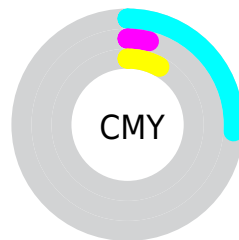


Cyan (23%)

Magenta (0%)

Yellow (4%)

Black (4%)



Cyan (26%)

Magenta (4%)

Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the RYB color 189, 219, 244 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 189, 219, 244 by changing the saturation by 10% instead.

■ 189, 219, 244

255, 255, 255

■ 246, 251, 255

■ 189, 219, 244

■ 161, 191, 216

■ 134, 163, 188

■ 108, 137, 161

■ 83, 110, 134

■ 57, 85, 109

■ 32, 60, 84

■ 2, 33, 61

■ 0, 21, 39


■ 0, 9, 16

 189, 219, 244

 189, 219, 244

 165, 208, 244


 213, 230, 244

 140, 197, 244


 238, 241, 244

 116, 186, 244


 255, 244, 247


 91, 174, 244

 255, 244, 251

 67, 164, 244

 255, 244, 255

 43, 153, 244

 18, 141, 244

 0, 133, 244

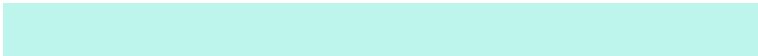
Harmonies

Analogous

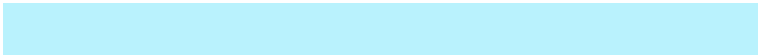
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



204, 233, 242



189, 219, 244



185, 216, 253

Triad

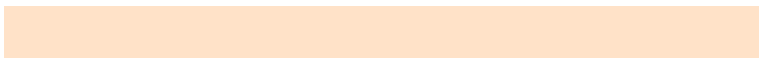
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



189, 219, 244



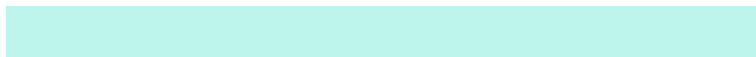
240, 228, 255



255, 249, 200

Complementary

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



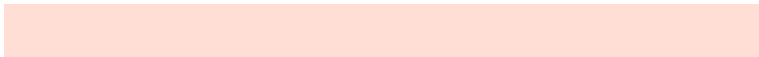
189, 219, 244



244, 189, 198

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, 224, 213



189, 219, 244



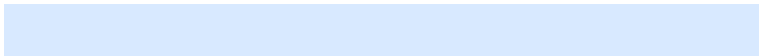
255, 222, 250

Square

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



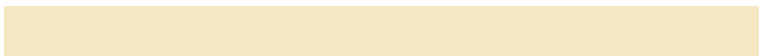
189, 219, 244



216, 228, 255



255, 220, 231



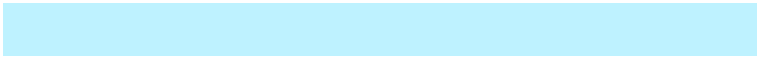
212, 245, 196

Rectangle

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



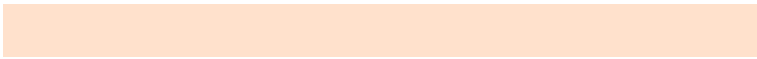
189, 219, 244



190, 219, 255



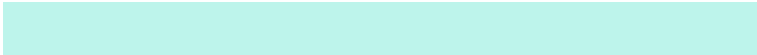
255, 220, 231



255, 240, 204

Sweetspot

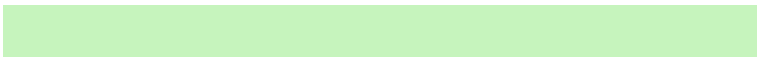
The Sweet Spot groups the original color and five complimentary colors.



189, 219, 244



237, 247, 255



189, 244, 235



117, 123, 128



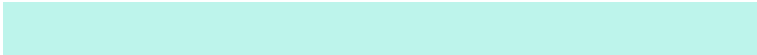
0, 0, 0



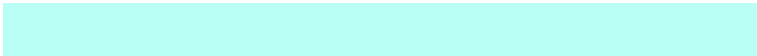
128, 128, 128

Same Dimension

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



189, 219, 244



186, 223, 255



189, 211, 244



110, 117, 122



0, 101, 186



0, 32, 59

Inverse Universe

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



244, 189, 198



255, 186, 198



244, 216, 189



122, 110, 112



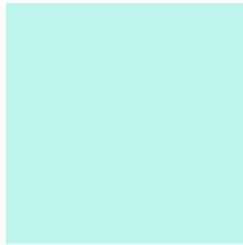
186, 0, 31



59, 0, 10

Previews

White Background



This preview shows how the RYB color 189, 219, 244 looks on a white background.

Color Contrast Check

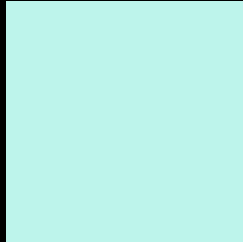
Large Text (above 18pt) WCAG AA × Fail

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 189, 219, 244 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

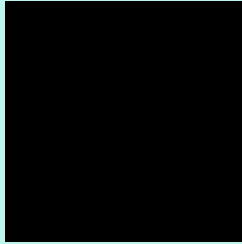
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

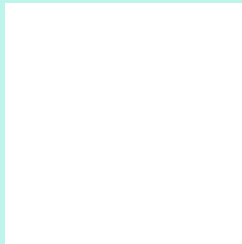
Any Text WCAG AAA ✓ Pass

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

RYB 189, 219, 244 Background



This preview shows how black text looks on a background with the RYB color 189, 219, 244.



This preview shows how white text looks on a background with the RYB color 189, 219, 244.

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





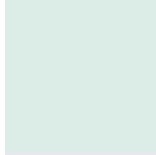
Tritanopia
201, 223, 255

Trichromacy



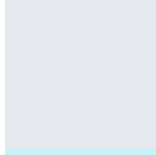
Original Color

189, 219, 244



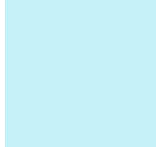
Protanomaly

220, 230, 236



Deuteranomaly

229, 231, 237



Tritanomaly

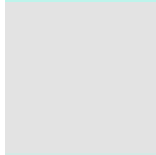
197, 221, 248

Monochromacy



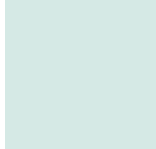
Original Color

189, 219, 244



Achromatopsia

227, 227, 227



Achromatomaly

213, 224, 233

CSS Examples

Text

The CSS property to change the color of the text to RYB 189, 219, 244 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(189, 244, 235)` looks like.

```
.text, #text, p{  
    color:rgb(189, 244, 235)  
}
```

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(189, 244, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 244, 235) }
```

Border

The CSS property to change the border of an element to RYB 189, 219, 244 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(189, 244, 235) }
```

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

```
.border{ border-color:rgb(189, 244, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 244, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 244, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 244, 235);  
box-shadow:4px 4px 4px 4px rgb(189, 244,  
235) }
```

Background

The CSS property to change the background color of an element to RYB 189, 219, 244 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 244, 235) }
```

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

```
.background{ background-color: rgb(189,  
244, 235) }
```

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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