

# Converting Colors

`RYB(185, 223, 253)`

Have a look what the booklet for  
RYB(185, 223, 253) contains.

<b>RYB(185, 223, 253)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	23
<b><i>Color Blindness Simulation</i></b> .....	26
<b><i>CSS Examples</i></b> .....	29

# Color

**R<sub>Y</sub>B(185, 223, 253)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B9FDEF
RGB	185, 253, 239
RGB Percent	73%, 99%, 94%
CMY	0.2745, 0.0078, 0.0640
CMYK	0.27, 0.00, 0.06, 0.01
HSL	167°, 94%, 86%
HSV	167°, 27%, 99%
XYZ	70.6662, 86.7782, 94.4423
YIQ	231.0720, -36.0340, -18.7700

# Conversions

## Conversions Part 2

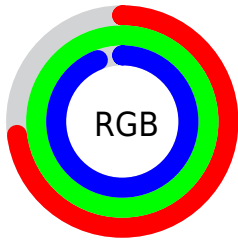
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	185, 223, 253
Decimal	12189167
CIE Lab	94.64, -23.95, 0.03
CIE LCh	95, 23.953, 179.929
Yxy	86.7782, 0.2805, 0.3445
Android (android.graphics.Color)	4290379247 (0xFFB9FDEF)
YUV	231.0720, 3.9085, -40.4051
Hunter-Lab	93.1548, -27.6128, 5.0989

# Details

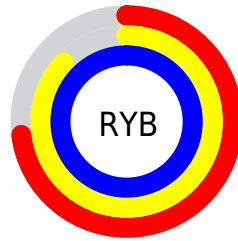
The RYB color **185, 223, 253** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **253, 185, 199**, and the grayscale version is **231, 231, 231**.

A 20% lighter version of the original color is **242, 249, 255**, and **130, 167, 196** is the 20% darker color. If you saturate the color by 10%, you get **160, 212, 253**, and if you desaturate by 10%, it is **210, 234, 253**.

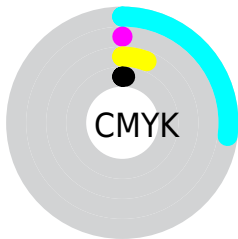
# Distribution



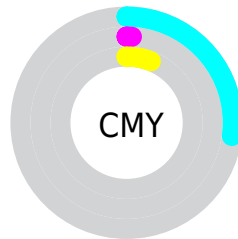
- Red (73%)
- Green (99%)
- Blue (94%)



- Red (73%)
- Yellow (87%)
- Blue (99%)



- Cyan (27%)
- Magenta (0%)
- Yellow (6%)
- Black (1%)



- Cyan (27%)
- Magenta (1%)
- Yellow (6%)

# Brightness & Saturation Gradients

These gradients show how the RYB color 185, 223, 253 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 185, 223, 253 by changing the saturation by 10% instead.




 185, 223, 253

255, 255, 255


 242, 249, 255


 185, 223, 253

 157, 194, 224

 130, 167, 196

 103, 140, 169


 77, 113, 142

 51, 87, 116

 22, 59, 91

 0, 37, 68

 0, 25, 45

 0, 16, 25

■ 185, 223, 253

■ 185, 223, 253

■ 160, 212, 253

■ 210, 234, 253

■ 134, 200, 253

■ 236, 246, 253

■ 109, 189, 253

■ 255, 253, 255

■ 84, 179, 253

■ 58, 167, 253

■ 33, 156, 253

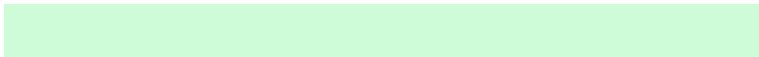
■ 8, 145, 253

■ 0, 141, 253

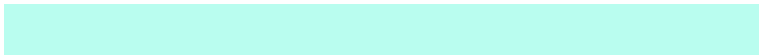
# Harmonies

## Analogous

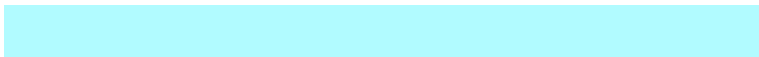
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



206, 243, 251



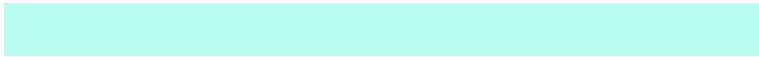
185, 223, 253



177, 215, 255

# Triad

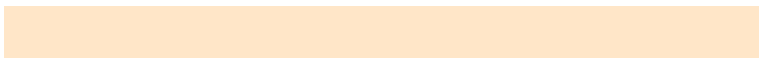
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



185, 223, 253



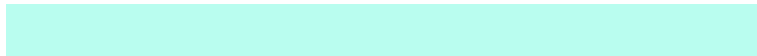
244, 234, 255



246, 255, 200

# Complementary

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



185, 223, 253



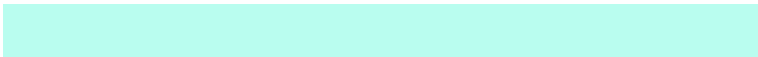
253, 185, 199

# 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, 227, 218



185, 223, 253



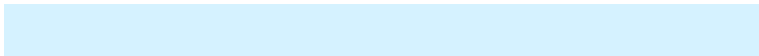
255, 227, 255

# Square

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



185, 223, 253



213, 230, 255



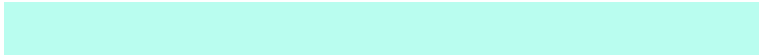
255, 223, 240



218, 255, 194

# Rectangle

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



185, 223, 253



182, 217, 255



255, 223, 240

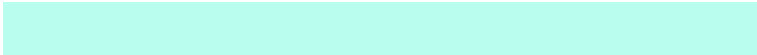


255, 248, 205



# Sweetspot

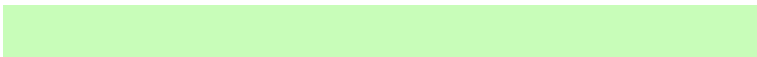
The Sweet Spot groups the original color and five complimentary colors.



185, 223, 253



235, 246, 255



185, 253, 238



115, 122, 128



0, 0, 0



128, 128, 128



# Same Dimension

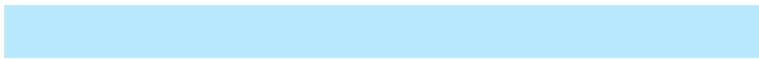
The Same Dimension uses a secret algorithm to generate beautiful new colors.



185, 223, 253



173, 219, 255



185, 213, 253



115, 122, 128



0, 107, 191



0, 36, 64



# Inverse Universe

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



253, 185, 199



255, 173, 191



253, 211, 185



128, 115, 117



191, 0, 40

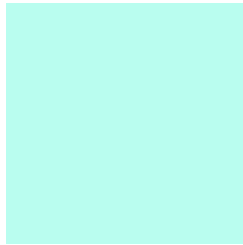


64, 0, 13



# Previews

## White Background



This preview shows how the RYB color 185, 223, 253 looks on a white background.

## Color Contrast Check

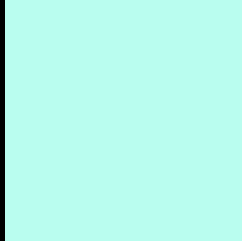
Large Text (above 18pt) WCAG AA × Fail

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 185, 223, 253 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

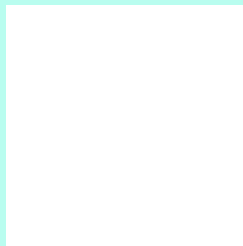
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## RYB 185, 223, 253 Background



This preview shows how black text looks on a background with the RYB color 185, 223, 253.



This preview shows how white text looks on a background with the RYB color 185, 223, 253.

# 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





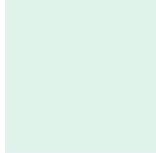
**Tritanopia**  
215, 232, 255

# Trichromacy



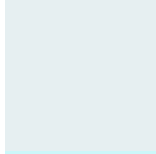
**Original Color**

185, 223, 253



**Protanomaly**

223, 236, 243



**Deuteranomaly**

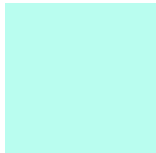
230, 235, 241



**Tritanomaly**

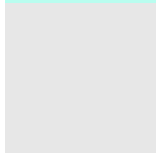
204, 226, 249

# Monochromacy



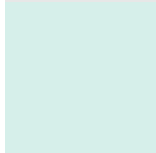
**Original Color**

185, 223, 253



**Achromatopsia**

231, 231, 231



**Achromatomaly**

214, 228, 239

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 185, 223, 253 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(185, 253, 239)` looks like.

```
.text, #text, p{  
    color:rgb(185, 253, 239)  
}
```

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(185, 253, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 253, 239) }
```

## Border

The CSS property to change the border of an element to RYB 185, 223, 253 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(185, 253, 239) }
```

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

```
.border{ border-color:rgb(185, 253, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(185, 253, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 253, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 253, 239);  
box-shadow:4px 4px 4px 4px rgb(185, 253,  
239) }
```

# Background

The CSS property to change the background color of an element to RYB 185, 223, 253 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 253, 239) }
```

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

```
.background{ background-color: rgb(185,  
253, 239) }
```

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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