

Converting Colors

`RYB(199, 226, 253)`

Have a look what the booklet for
RYB(199, 226, 253) contains.

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Color

R_YB(199, 226, 253)

Conversions

Conversions Part 1

Format	Color
Hex	C7FDFD
RGB	199, 253, 253
RGB Percent	78%, 99%, 99%
CMY	0.2196, 0.0078, 0.0078
CMYK	0.21, 0.00, 0.00, 0.01
HSL	180°, 93%, 89%
HSV	180°, 21%, 99%
XYZ	76.4081, 89.4845, 106.1736
YIQ	236.8540, -32.1840, -11.4480

Conversions

Conversions Part 2

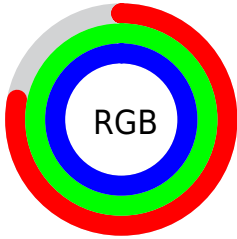
Format	Color
R _{YB}	199, 226, 253
Decimal	13106685
CIE Lab	95.78, -16.91, -5.60
CIE LCh	96, 17.812, 198.319
Yxy	89.4845, 0.2808, 0.3289
Android (android.graphics.Color)	4291296765 (0xFFC7FDFD)
YUV	236.8540, 7.9600, -33.1980
Hunter-Lab	94.5963, -21.3639, -0.3289

Details

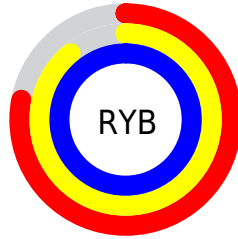
The RYB color **199, 226, 253** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **253, 199, 199**, and the grayscale version is **237, 237, 237**.

A 20% lighter version of the original color is **255, 255, 255**, and **144, 170, 196** is the 20% darker color. If you saturate the color by 10%, you get **174, 214, 253**, and if you desaturate by 10%, it is **224, 239, 253**.

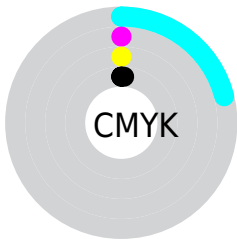
Distribution



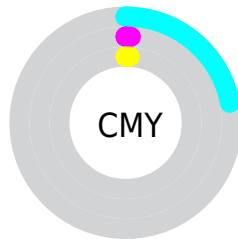
- Red (78%)
- Green (99%)
- Blue (99%)



- Red (78%)
- Yellow (89%)
- Blue (99%)



- Cyan (21%)
- Magenta (0%)
- Yellow (0%)
- Black (1%)



- Cyan (22%)
- Magenta (1%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the RYB color 199, 226, 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 199, 226, 253 by changing the saturation by 10% instead.

199, 226, 253

255, 255, 255

199, 226, 253

171, 198, 224

144, 170, 196

117, 143, 169

91, 117, 143

66, 92, 117

40, 66, 93

11, 40, 69

0, 23, 47

0, 13, 26

■ 199, 226, 253

■ 199, 226, 253

■ 174, 214, 253

■ 224, 239, 253

■ 148, 201, 253

■ 250, 252, 253

■ 123, 188, 253

■ 255, 253, 253

■ 98, 176, 253

■ 73, 163, 253

■ 47, 150, 253

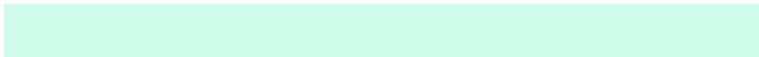
■ 22, 138, 253

■ 0, 127, 253

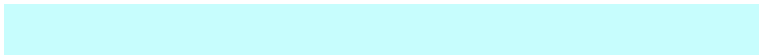
Harmonies

Analogous

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



208, 236, 253



199, 226, 253



202, 227, 255

Triad

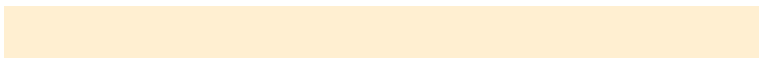
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



199, 226, 253



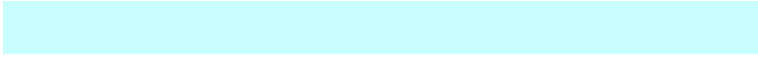
255, 235, 255



234, 255, 209

Complementary

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



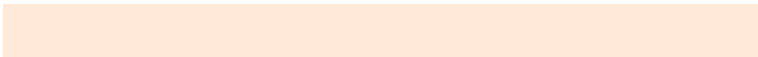
199, 226, 253



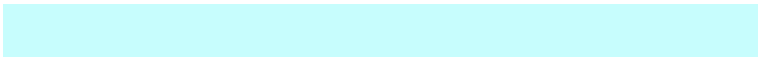
253, 199, 199

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, 246, 218



199, 226, 253



255, 232, 250

Square

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



199, 226, 253



238, 241, 255



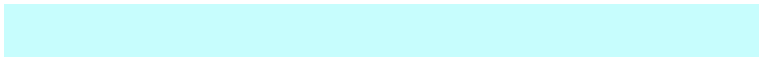
255, 231, 233



210, 245, 210

Rectangle

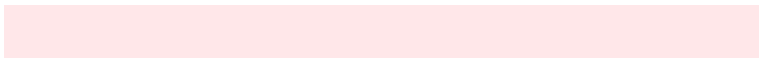
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



199, 226, 253



210, 231, 255



255, 231, 233



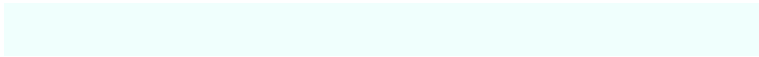
239, 255, 211

Sweetspot

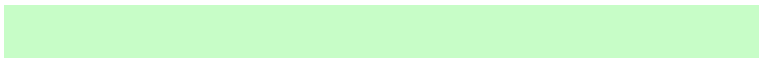
The Sweet Spot groups the original color and five complimentary colors.



199, 226, 253



240, 248, 255



199, 253, 253



119, 124, 128



0, 0, 0



128, 128, 128

Same Dimension

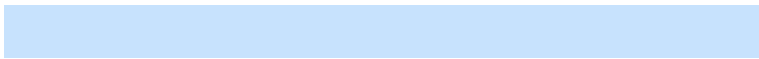
The Same Dimension uses a secret algorithm to generate beautiful new colors.



199, 226, 253



189, 222, 255



199, 217, 253



115, 122, 128



0, 96, 191



0, 32, 64

Inverse Universe

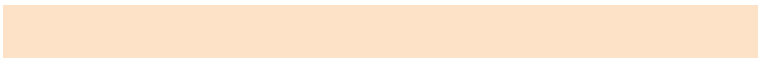
The Inverse Universe completely reimagines the original color for something new.



253, 199, 253



255, 189, 255



253, 253, 199



128, 115, 128



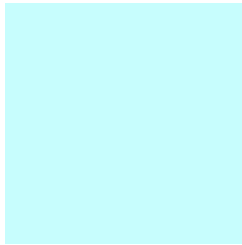
191, 0, 191



64, 0, 64

Previews

White Background



This preview shows how the RYB color 199, 226, 253 looks on a white background.

Color Contrast Check

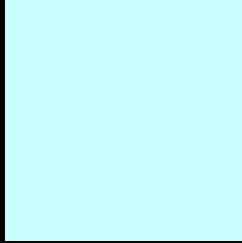
Large Text (above 18pt) WCAG AA × Fail

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 199, 226, 253 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

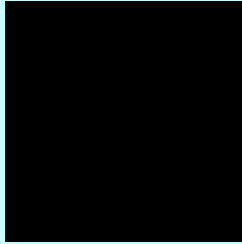
Any Text WCAG AA ✓ Pass

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 199, 226, 253 Background



This preview shows how black text looks on a background with the RYB color 199, 226, 253.

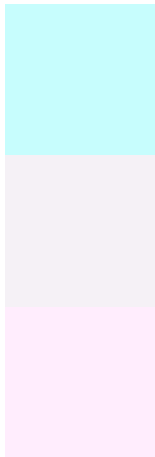


This preview shows how white text looks on a background with the RYB color 199, 226, 253.

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



Original Color
199, 226, 253

Protanopia
245, 241, 246

Deuteranopia
255, 237, 253



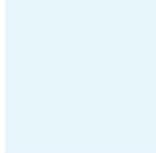
Tritanopia
226, 238, 255

Trichromacy



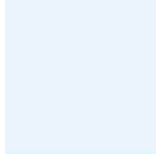
Original Color

199, 226, 253



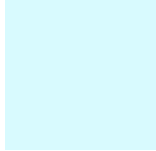
Protanomaly

228, 237, 249



Deuteranomaly

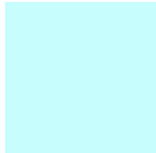
235, 241, 253



Tritanomaly

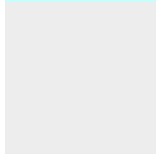
216, 234, 254

Monochromacy



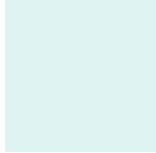
Original Color

199, 226, 253



Achromatopsia

237, 237, 237



Achromatomaly

223, 233, 243

CSS Examples

Text

The CSS property to change the color of the text to RYB 199, 226, 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(199, 253, 253)` looks like.

```
.text, #text, p{  
    color:rgb(199, 253, 253)  
}
```

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(199, 253, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 253, 253) }
```

Border

The CSS property to change the border of an element to RYB 199, 226, 253 is called "border". The border property can be set on classes, ids or directly on the HTML element.

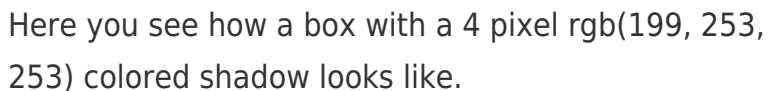
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(199, 253, 253) }
```

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

```
.border{ border-color:rgb(199, 253, 253) }
```

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



Here you see how a box with a 4 pixel `rgb(199, 253, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(199, 253, 253); -webkit-box-shadow:4px 4px 4px 4px rgb(199, 253, 253); box-shadow:4px 4px 4px 4px rgb(199, 253, 253) }
```

Background

The CSS property to change the background color of an element to RYB 199, 226, 253 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 253, 253) }
```

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

```
.background{ background-color: rgb(199,  
253, 253) }
```

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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