

Converting Colors

`RYB(196, 229, 255)`

Have a look what the booklet for
RYB(196, 229, 255) contains.

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Color

R_YB(196, 229, 255)

Conversions

Conversions Part 1

Format	Color
Hex	C4FFF2
RGB	196, 255, 242
RGB Percent	77%, 100%, 95%
CMY	0.2314, 0.0000, 0.0491
CMYK	0.23, 0.00, 0.05, 0.00
HSL	167°, 100%, 88%
HSV	167°, 23%, 100%
XYZ	74.6249, 89.6957, 97.7666
YIQ	235.8770, -30.9910, -16.5510

Conversions

Conversions Part 2

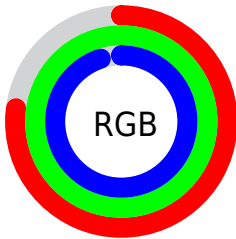
Format	Color
RYB	196, 229, 255
Decimal	12910578
CIELab	95.87, -20.93, -0.07
CIELCh	96, 20.934, 180.186
Yxy	89.6957, 0.2847, 0.3422
Android (android.graphics.Color)	4291100658 (0xFFC4FFF2)
YUV	235.8770, 3.0186, -34.9721
Hunter-Lab	94.7078, -25.0899, 5.0906

Details

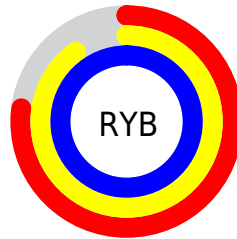
The RYB color **196, 229, 255** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **255, 196, 209**, and the grayscale version is **236, 236, 236**.

A 20% lighter version of the original color is **253, 254, 255**, and **141, 173, 198** is the 20% darker color. If you saturate the color by 10%, you get **171, 218, 255**, and if you desaturate by 10%, it is **222, 240, 255**.

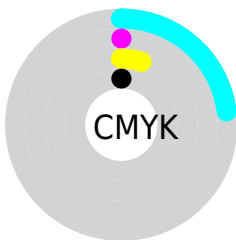
Distribution



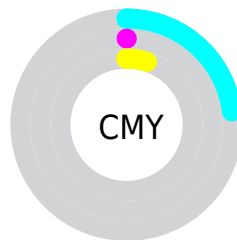
- Red (77%)
- Green (100%)
- Blue (95%)



- Red (77%)
- Yellow (90%)
- Blue (100%)



- Cyan (23%)
- Magenta (0%)
- Yellow (5%)
- Black (0%)














- Cyan (23%)
- Magenta (0%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the RYB color 196, 229, 255 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 196, 229, 255 by changing the saturation by 10% instead.

 196, 229, 255	 196, 229, 255
255, 255, 255	 168, 200, 226
253, 254, 255	 141, 173, 198
	 114, 146, 171
	 89, 120, 144
	 63, 93, 118
	 38, 68, 93
	 7, 41, 70
	 0, 26, 47
	 0, 17, 28

■ 196, 229, 255

■ 196, 229, 255

■ 171, 218, 255

■ 222, 240, 255

■ 145, 206, 255

■ 247, 252, 255

■ 120, 196, 255

■ 255, 255, 255

■ 94, 184, 255

■ 69, 173, 255

■ 43, 162, 255

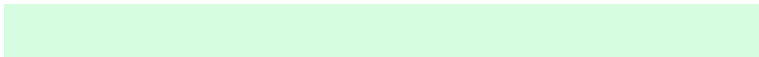
■ 18, 150, 255

■ 0, 143, 255

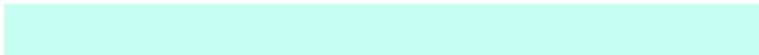
Harmonies

Analogous

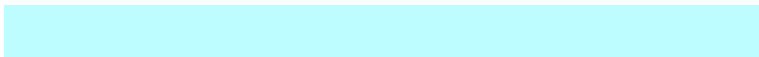
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



214, 246, 253



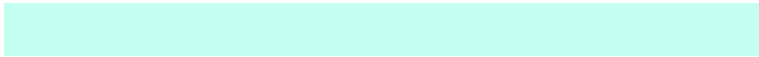
196, 229, 255



190, 222, 255

Triad

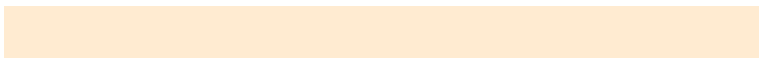
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



196, 229, 255



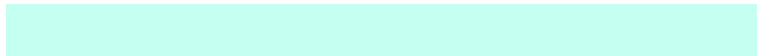
247, 238, 255



244, 255, 209

Complementary

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



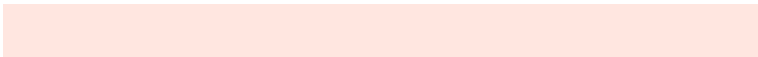
196, 229, 255



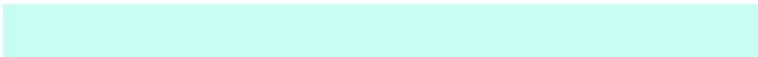
255, 196, 209

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, 231, 224



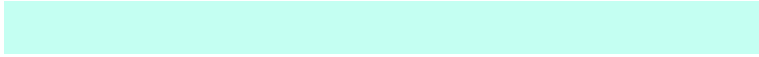
196, 229, 255



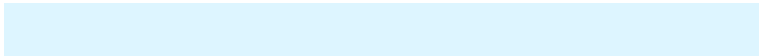
255, 232, 255

Square

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



196, 229, 255



221, 235, 255



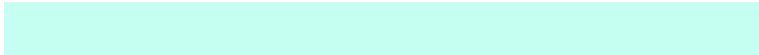
255, 229, 244



220, 255, 203

Rectangle

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



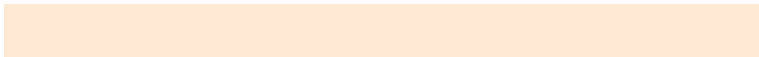
196, 229, 255



194, 224, 255



255, 229, 244



255, 251, 213

Sweetspot

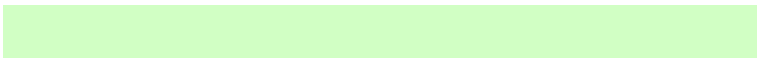
The Sweet Spot groups the original color and five complimentary colors.



196, 229, 255



237, 247, 255



196, 255, 242



117, 123, 128



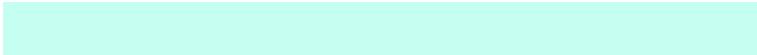
0, 0, 0



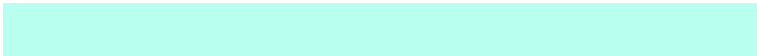
128, 128, 128

Same Dimension

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



196, 229, 255



184, 224, 255



196, 221, 255



115, 122, 128



0, 107, 191



0, 36, 64

Inverse Universe

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



255, 196, 209



255, 184, 199



255, 220, 196



128, 115, 117



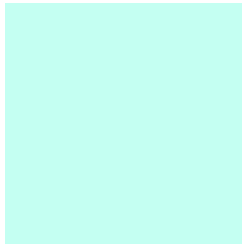
191, 0, 41



64, 0, 14

Previews

White Background



This preview shows how the RYB color 196, 229, 255 looks on a white background.

Color Contrast Check

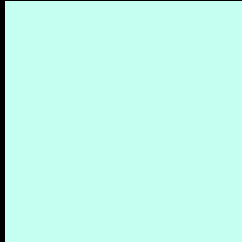
Large Text (above 18pt) WCAG AA × Fail

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 196, 229, 255 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

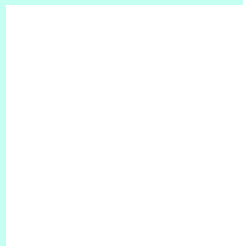
Any Text WCAG AAA ✓ Pass

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

RYB 196, 229, 255 Background



This preview shows how black text looks on a background with the RYB color 196, 229, 255.

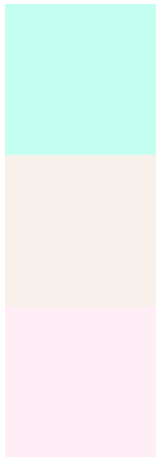


This preview shows how white text looks on a background with the RYB color 196, 229, 255.

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
196, 229, 255

Protanopia
248, 246, 235

Deuteranopia
255, 238, 245



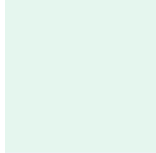
Tritanopia
226, 238, 255

Trichromacy



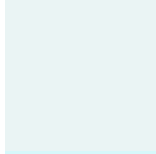
Original Color

196, 229, 255



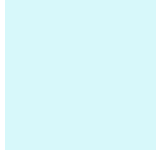
Protanomaly

229, 240, 246



Deuteranomaly

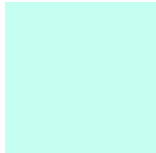
234, 239, 244



Tritanomaly

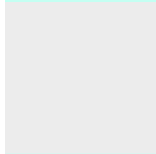
215, 232, 250

Monochromacy



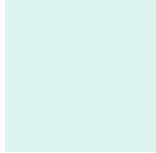
Original Color

196, 229, 255



Achromatopsia

236, 236, 236



Achromatomaly

221, 233, 243

CSS Examples

Text

The CSS property to change the color of the text to RGB 196, 229, 255 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(196, 255, 242) looks like.

```
.text, #text, p{  
    color:rgb(196, 255, 242)  
}
```

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(196, 255, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 255, 242) }
```

Border

The CSS property to change the border of an element to RYB 196, 229, 255 is called "border". The border property can be set on classes, ids or directly on the HTML element.

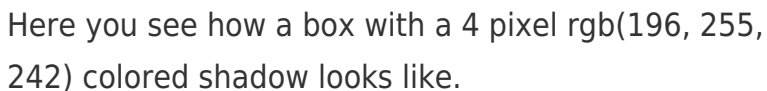
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(196, 255, 242) }
```

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

```
.border{ border-color:rgb(196, 255, 242) }
```

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



Here you see how a box with a 4 pixel `rgb(196, 255, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(196, 255, 242); -webkit-box-shadow:4px 4px 4px 4px rgb(196, 255, 242); box-shadow:4px 4px 4px 4px rgb(196, 255, 242) }
```

Background

The CSS property to change the background color of an element to RYB 196, 229, 255 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 255, 242) }
```

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

```
.background{ background-color: rgb(196,  
255, 242) }
```

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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