

Converting Colors

`RYB(206, 232, 255)`

Have a look what the booklet for
RYB(206, 232, 255) contains.

RYB(206, 232, 255)	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(206, 232, 255)

Conversions

Conversions Part 1

Format	Color
Hex	CEFFF9
RGB	206, 255, 249
RGB Percent	81%, 100%, 98%
CMY	0.1922, 0.0000, 0.0222
CMYK	0.19, 0.00, 0.02, 0.00
HSL	173°, 100%, 90%
HSV	173°, 19%, 100%
XYZ	78.3665, 91.5030, 103.4374
YIQ	239.6650, -27.2780, -12.2540

Conversions

Conversions Part 2

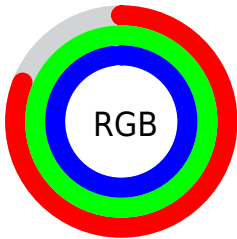
Format	Color
R _Y B	206, 232, 255
Decimal	13565945
CIE Lab	96.62, -16.57, -2.44
CIE LCh	97, 16.746, 188.384
Yxy	91.5030, 0.2867, 0.3348
Android (android.graphics.Color)	4291756025 (0xFFCEFFF9)
YUV	239.6650, 4.6022, -29.5242
Hunter-Lab	95.6572, -21.1651, 2.8478

Details

The RYB color **206, 232, 255** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **255, 206, 212**, and the grayscale version is **240, 240, 240**.

A 20% lighter version of the original color is **255, 255, 255**, and **151, 176, 198** is the 20% darker color. If you saturate the color by 10%, you get **180, 220, 255**, and if you desaturate by 10%, it is **232, 244, 255**.

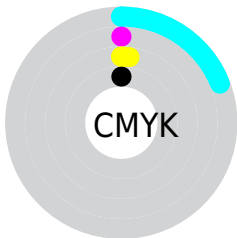
Distribution



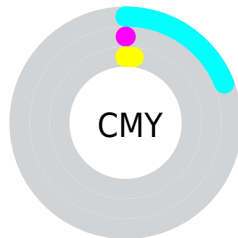
- Red (81%)
- Green (100%)
- Blue (98%)



- Red (81%)
- Yellow (91%)
- Blue (100%)



- Cyan (19%)
- Magenta (0%)
- Yellow (2%)
- Black (0%)



- Cyan (19%)
- Magenta (0%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the RYB color 206, 232, 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 206, 232, 255 by changing the saturation by 10% instead.

■ 206, 232, 255

255, 255, 255

■ 206, 232, 255

■ 178, 203, 226

■ 151, 176, 198

■ 124, 149, 171

■ 99, 123, 144

■ 73, 97, 119

■ 49, 73, 94

■ 24, 48, 70

■ 0, 24, 47

■ 0, 15, 28

■ 206, 232, 255

■ 206, 232, 255

■ 180, 220, 255

■ 232, 244, 255

■ 155, 208, 255

255, 255, 255

■ 130, 196, 255

■ 104, 184, 255

■ 79, 172, 255

■ 53, 160, 255

■ 27, 148, 255

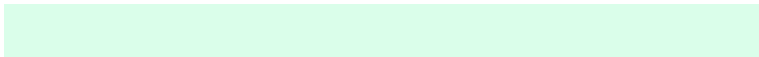
■ 2, 136, 255

■ 0, 135, 255

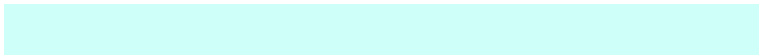
Harmonies

Analogous

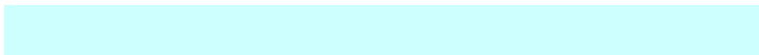
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



218, 243, 254



206, 232, 255



205, 230, 255

Triad

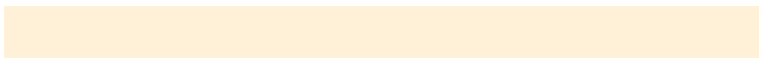
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



206, 232, 255



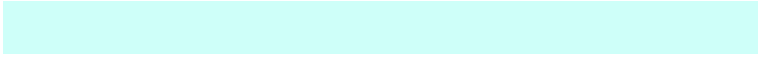
254, 240, 255



240, 255, 216

Complementary

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



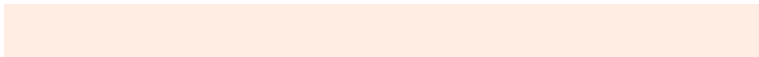
206, 232, 255



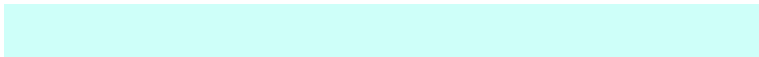
255, 206, 212

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, 241, 226



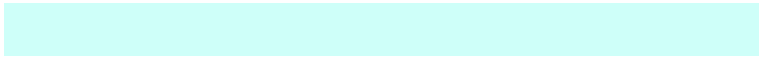
206, 232, 255



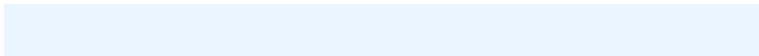
255, 236, 255

Square

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



206, 232, 255



234, 241, 255



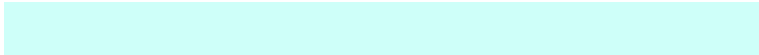
255, 234, 241



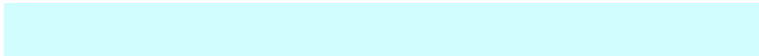
223, 254, 213

Rectangle

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



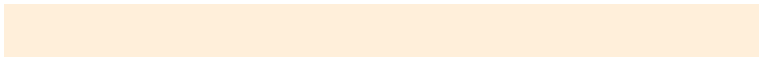
206, 232, 255



210, 232, 255



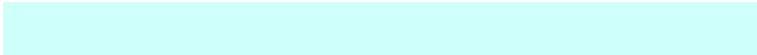
255, 234, 241



246, 255, 218

Sweetspot

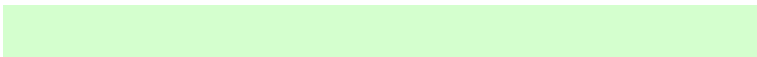
The Sweet Spot groups the original color and five complimentary colors.



206, 232, 255



240, 248, 255



206, 255, 249



119, 124, 128



0, 0, 0



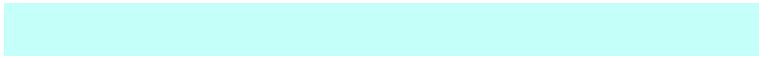
128, 128, 128

Same Dimension

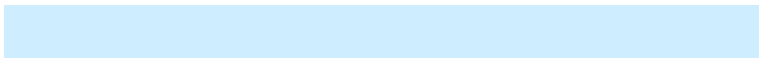
The Same Dimension uses a secret algorithm to generate beautiful new colors.



206, 232, 255



196, 227, 255



206, 225, 255



115, 122, 128



0, 101, 191



0, 34, 64

Inverse Universe

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



255, 206, 212



255, 196, 203



255, 237, 206



128, 115, 116



191, 0, 22



64, 0, 7

Previews

White Background



This preview shows how the RYB color 206, 232, 255 looks on a white background.

Color Contrast Check

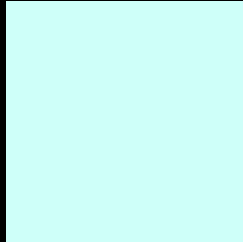
Large Text (above 18pt) WCAG AA × Fail

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 206, 232, 255 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

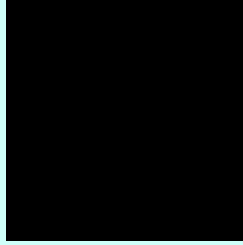
Any Text WCAG AA ✓ Pass

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 206, 232, 255 Background



This preview shows how black text looks on a background with the RYB color 206, 232, 255.

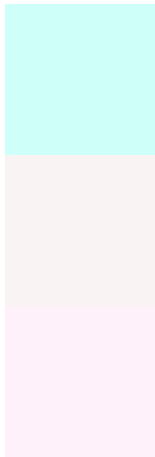


This preview shows how white text looks on a background with the RYB color 206, 232, 255.

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
206, 232, 255

Protanopia
249, 243, 243

Deuteranopia
255, 241, 249



Tritanopia

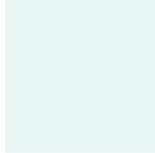
233, 242, 255

Trichromacy



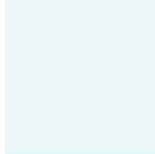
Original Color

206, 232, 255



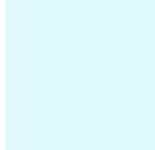
Protanomaly

233, 241, 247



Deuteranomaly

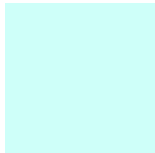
237, 242, 249



Tritanomaly

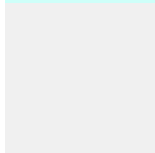
223, 237, 253

Monochromacy



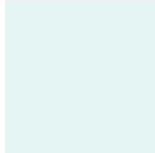
Original Color

206, 232, 255



Achromatopsia

240, 240, 240



Achromatomaly

228, 237, 245

CSS Examples

Text

The CSS property to change the color of the text to RYB 206, 232, 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(206, 255, 249)` looks like.

```
.text, #text, p{  
    color:rgb(206, 255, 249)  
}
```

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(206, 255, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 255, 249) }
```

Border

The CSS property to change the border of an element to RYB 206, 232, 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(206, 255, 249) }
```

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

```
.border{ border-color:rgb(206, 255, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 255, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 255, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 255, 249);  
box-shadow:4px 4px 4px 4px rgb(206, 255,  
249) }
```

Background

The CSS property to change the background color of an element to RYB 206, 232, 255 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 255, 249) }
```

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

```
.background{ background-color: rgb(206,  
255, 249) }
```

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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