

Converting Colors

`RYB(212, 231, 255)`

Have a look what the booklet for RYB(212, 231, 255) contains.

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Color

R_YB(212, 231, 255)

Conversions

Conversions Part 1

Format	Color
Hex	D4F6FF
RGB	212, 246, 255
RGB Percent	83%, 96%, 100%
CMY	0.1686, 0.0351, 0.0000
CMYK	0.17, 0.04, 0.00, 0.00
HSL	192°, 100%, 92%
HSV	192°, 17%, 100%
XYZ	78.1698, 87.1539, 107.3101
YIQ	236.8600, -23.1530, -4.4090

Conversions

Conversions Part 2

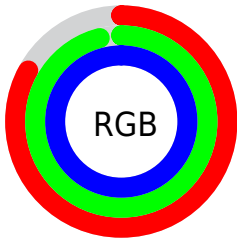
Format	Color
R_{YB}	212, 231, 255
Decimal	13956863
CIE Lab	94.80, -9.14, -7.99
CIE LCh	95, 12.144, 221.153
Yxy	87.1539, 0.2867, 0.3197
Android (android.graphics.Color)	4292146943 (0xFFD4F6FF)
YUV	236.8600, 8.9430, -21.8022
Hunter-Lab	93.3563, -13.9104, -2.8026

Details

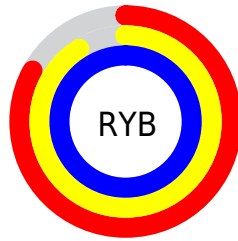
The RYB color **212, 231, 255** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **255, 223, 212**, and the grayscale version is **237, 237, 237**.

A 20% lighter version of the original color is **255, 255, 255**, and **157, 175, 198** is the 20% darker color. If you saturate the color by 10%, you get **187, 217, 255**, and if you desaturate by 10%, it is **238, 245, 255**.

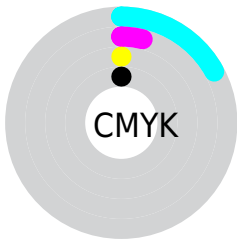
Distribution



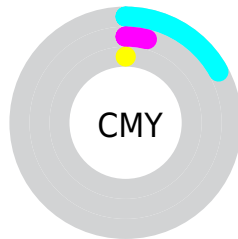
- Red (83%)
- Green (96%)
- Blue (100%)



- Red (83%)
- Yellow (91%)
- Blue (100%)



- Cyan (17%)
- Magenta (4%)
- Yellow (0%)
- Black (0%)



- Cyan (17%)
- Magenta (4%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the RYB color 212, 231, 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 212, 231, 255 by changing the saturation by 10% instead.

212, 231, 255

255, 255, 255

212, 231, 255

184, 203, 226

157, 175, 198

130, 148, 171

105, 122, 145

80, 97, 119

56, 73, 94

32, 49, 71

8, 26, 48

0, 12, 27

■ 212, 231, 255

■ 212, 231, 255

■ 187, 217, 255

■ 238, 245, 255

■ 161, 202, 255

255, 255, 255

■ 136, 189, 255

■ 110, 174, 255

■ 85, 160, 255

■ 59, 146, 255

■ 33, 131, 255

■ 8, 117, 255

■ 0, 113, 255

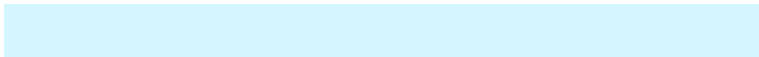
Harmonies

Analogous

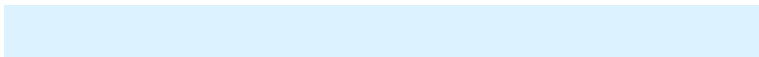
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



212, 230, 247



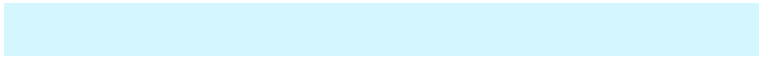
212, 231, 255



220, 234, 255

Triad

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



212, 231, 255



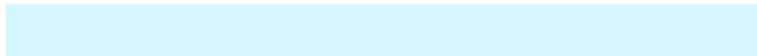
255, 233, 248



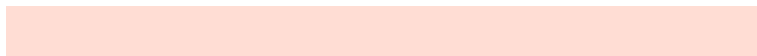
222, 245, 217

Complementary

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



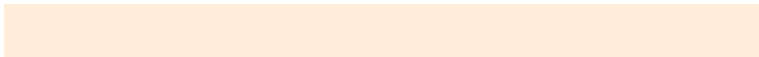
212, 231, 255



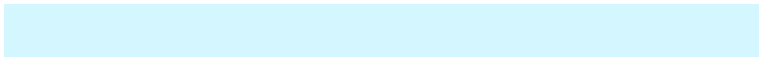
255, 223, 212

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.



253, 255, 218



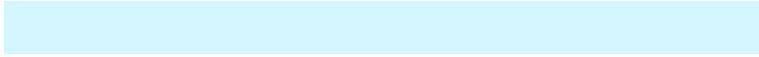
212, 231, 255



255, 232, 236

Square

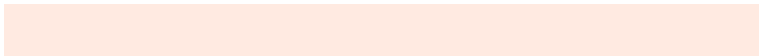
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



212, 231, 255



248, 236, 255



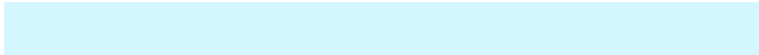
255, 238, 225



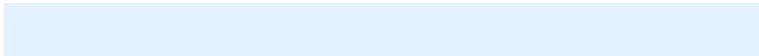
222, 244, 234

Rectangle

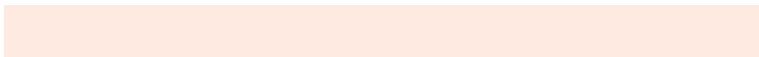
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



212, 231, 255



228, 237, 255



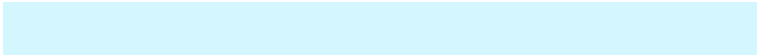
255, 238, 225



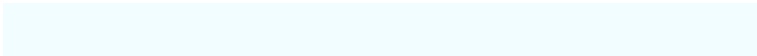
234, 250, 217

Sweetspot

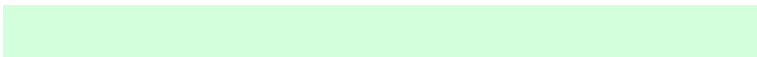
The Sweet Spot groups the original color and five complimentary colors.



212, 231, 255



242, 248, 255



212, 248, 255



120, 123, 128



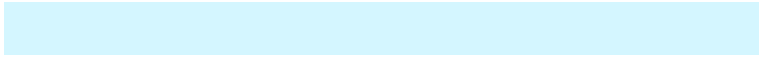
0, 0, 0



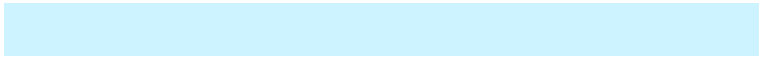
128, 128, 128

Same Dimension

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



212, 231, 255



204, 226, 255



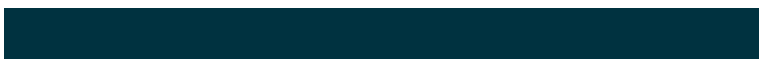
212, 222, 255



115, 121, 128



0, 84, 191



0, 28, 64

Inverse Universe

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



255, 212, 246



255, 204, 244



231, 255, 212



128, 115, 125



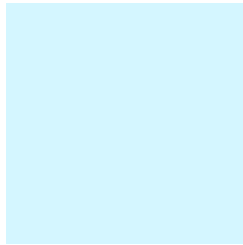
191, 0, 151



64, 0, 50

Previews

White Background



This preview shows how the RYB color 212, 231, 255 looks on a white background.

Color Contrast Check

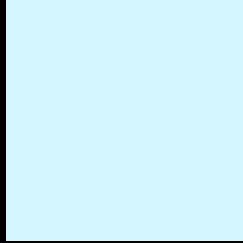
Large Text (above 18pt) WCAG AA × Fail

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 212, 231, 255 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

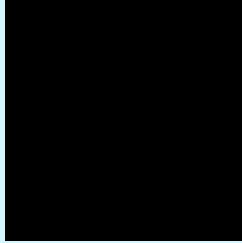
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

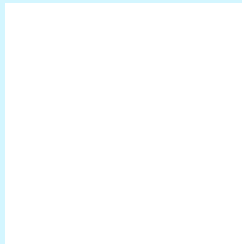
Any Text WCAG AAA ✓ Pass

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

RYB 212, 231, 255 Background



This preview shows how black text looks on a background with the RYB color 212, 231, 255.

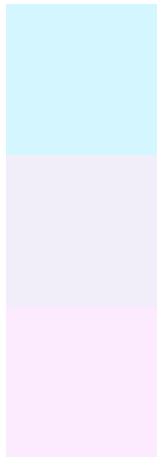


This preview shows how white text looks on a background with the RYB color 212, 231, 255.

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
212, 231, 255

Protanopia
241, 238, 250

Deuteranopia
252, 234, 255



Tritanopia

224, 236, 255

Trichromacy



Original Color

212, 231, 255

Protanomaly

230, 237, 252

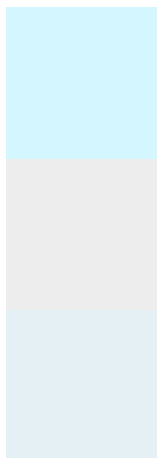
Deuteranomaly

237, 238, 255

Tritanomaly

220, 234, 255

Monochromacy



Original Color

212, 231, 255

Achromatopsia

237, 237, 237

Achromatomaly

228, 235, 244

CSS Examples

Text

The CSS property to change the color of the text to RYB 212, 231, 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(212, 246, 255)` looks like.

```
.text, #text, p{  
    color:rgb(212, 246, 255)  
}
```

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(212, 246, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 246, 255) }
```

Border

The CSS property to change the border of an element to RYB 212, 231, 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(212, 246, 255) }
```

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

```
.border{ border-color:rgb(212, 246, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 246, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 246, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 246, 255);  
box-shadow:4px 4px 4px 4px rgb(212, 246,  
255) }
```

Background

The CSS property to change the background color of an element to RYB 212, 231, 255 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 246, 255) }
```

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

```
.background{ background-color: rgb(212,  
246, 255) }
```

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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