

# Converting Colors

`RYB(212, 230, 249)`

Have a look what the booklet for RYB(212, 230, 249) contains.

<b>RYB(212, 230, 249)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	23
<i><b>Color Blindness Simulation</b></i> .....	26
<i><b>CSS Examples</b></i> .....	29

# Color

**R<sub>Y</sub>B(212, 230, 249)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D4F7F9
RGB	212, 247, 249
RGB Percent	83%, 97%, 98%
CMY	0.1686, 0.0312, 0.0235
CMYK	0.15, 0.01, 0.00, 0.02
HSL	183°, 76%, 90%
HSV	183°, 15%, 98%
XYZ	77.5271, 87.3903, 102.4044
YIQ	236.7630, -21.5020, -6.7980

# Conversions

## Conversions Part 2

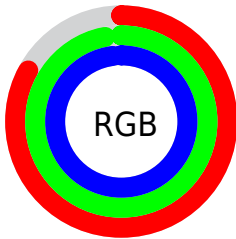
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	212, 230, 249
Decimal	13957113
CIE Lab	94.90, -10.86, -4.74
CIE LCh	95, 11.851, 203.569
Yxy	87.3903, 0.2900, 0.3269
Android (android.graphics.Color)	4292147193 (0xFFD4F7F9)
YUV	236.7630, 6.0328, -21.7172
Hunter-Lab	93.4828, -15.5613, 0.4895

# Details

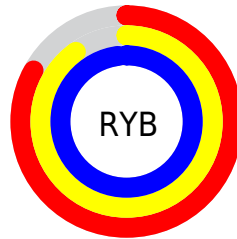
The RYB color **212, 230, 249** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **249, 214, 212**, and the grayscale version is **237, 237, 237**.

A 20% lighter version of the original color is 255, 255, 255, and **157, 174, 193** is the 20% darker color. If you saturate the color by 10%, you get **187, 217, 249**, and if you desaturate by 10%, it is **237, 243, 249**.

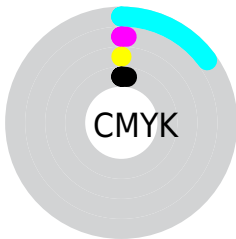
# Distribution



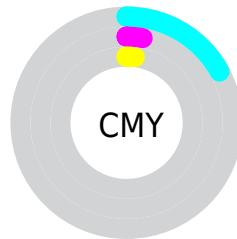
- Red (83%)
- Green (97%)
- Blue (98%)



- Red (83%)
- Yellow (90%)
- Blue (98%)



- Cyan (15%)
- Magenta (1%)
- Yellow (0%)
- Black (2%)



- Cyan (17%)
- Magenta (3%)
- Yellow (2%)

# Brightness & Saturation Gradients

These gradients show how the RYB color 212, 230, 249 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, 230, 249 by changing the saturation by 10% instead.



212, 230, 249

255, 255, 255

212, 230, 249

184, 202, 220

157, 174, 193

131, 148, 165

105, 121, 139

80, 96, 114

56, 72, 89

33, 49, 66

9, 26, 44

0, 11, 23

 212, 230, 249


 212, 230, 249

 187, 217, 249


 237, 243, 249

 162, 204, 249


 255, 250, 249

 137, 191, 249


 255, 252, 249

 112, 179, 249


 255, 255, 249


 88, 166, 249

 250, 255, 249

 63, 153, 249

 249, 255, 249

 38, 141, 249

 13, 128, 249

 0, 121, 249

# Harmonies

## Analogous

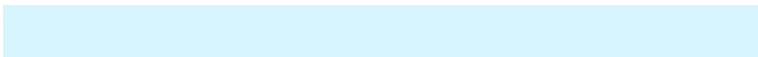
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



216, 234, 247



212, 230, 249



215, 232, 255

# Triad

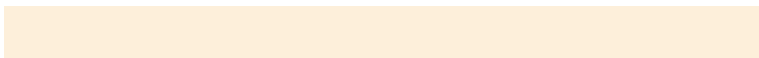
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



212, 230, 249



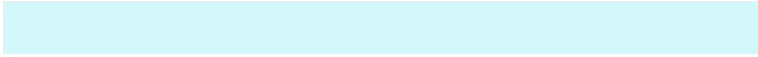
253, 235, 254



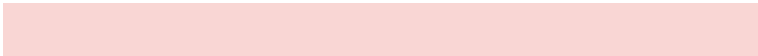
241, 253, 218

# Complementary

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



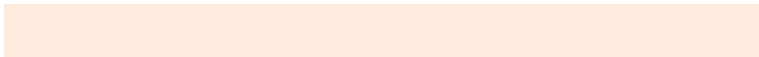
212, 230, 249



249, 214, 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, 243, 222



212, 230, 249



255, 233, 243

# Square

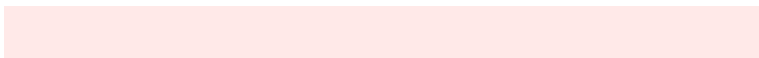
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



212, 230, 249



240, 238, 255



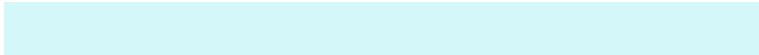
255, 233, 232



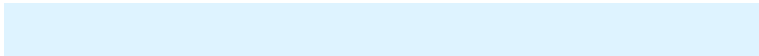
219, 242, 221

# Rectangle

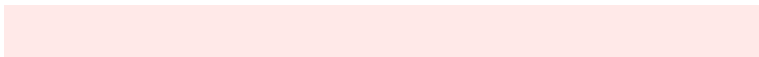
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



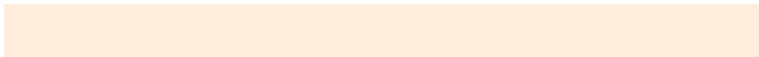
212, 230, 249



222, 235, 255



255, 233, 232

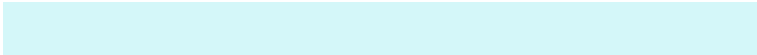


255, 255, 219



# Sweetspot

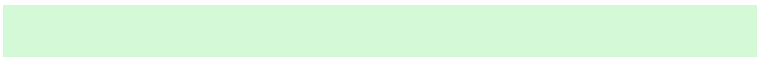
The Sweet Spot groups the original color and five complimentary colors.



212, 230, 249



245, 250, 255



212, 247, 249



121, 124, 128



0, 0, 0



128, 128, 128

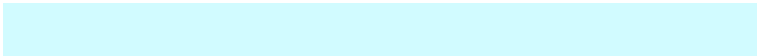


# Same Dimension

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



212, 230, 249



209, 231, 255



212, 224, 249



112, 118, 125



0, 92, 189



0, 30, 61



# Inverse Universe

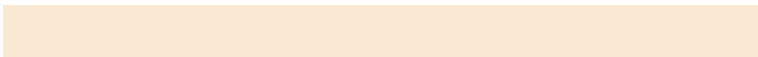
The Inverse Universe completely reimagines the original color for something new.



249, 212, 247



255, 209, 253



243, 249, 212



125, 112, 124



189, 0, 179



61, 0, 58



# Previews

## White Background



This preview shows how the RYB color 212, 230, 249 looks on a white background.

## Color Contrast Check

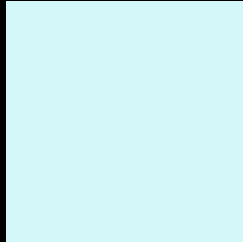
Large Text (above 18pt) WCAG AA × Fail

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, 230, 249 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

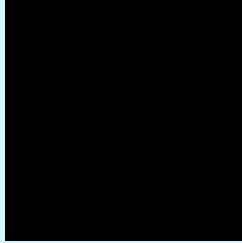
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## **RYB 212, 230, 249 Background**



This preview shows how black text looks on a background with the RYB color 212, 230, 249.



This preview shows how white text looks on a background with the RYB color 212, 230, 249.

# 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





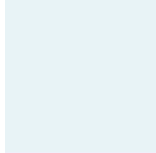
**Tritanopia**  
225, 236, 255

# Trichromacy



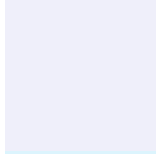
**Original Color**

212, 230, 249



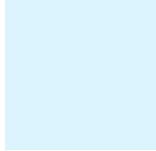
**Protanomaly**

232, 238, 246



**Deuteranomaly**

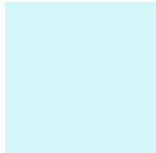
239, 239, 250



**Tritanomaly**

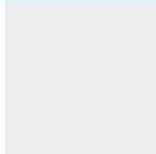
220, 234, 253

# Monochromacy



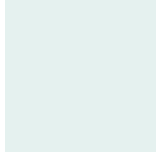
**Original Color**

212, 230, 249



**Achromatopsia**

237, 237, 237



**Achromatomaly**

228, 235, 241

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 212, 230, 249 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, 247, 249)` looks like.

```
.text, #text, p{  
    color:rgb(212, 247, 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(212, 247, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 247, 249) }
```

## Border

The CSS property to change the border of an element to RYB 212, 230, 249 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, 247, 249) }
```

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

```
.border{ border-color:rgb(212, 247, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 247, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 247, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 247, 249);  
box-shadow:4px 4px 4px 4px rgb(212, 247,  
249) }
```

# Background

The CSS property to change the background color of an element to RGB 212, 230, 249 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 247, 249) }
```

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

```
.background{ background-color: rgb(212,  
247, 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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