

Converting Colors

`RYB(221, 236, 249)`

Have a look what the booklet for RYB(221, 236, 249) contains.

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Color

R_YB(221, 236, 249)

Conversions

Conversions Part 1

Format	Color
Hex	DDF9F5
RGB	221, 249, 245
RGB Percent	87%, 98%, 96%
CMY	0.1333, 0.0235, 0.0382
CMYK	0.11, 0.00, 0.01, 0.02
HSL	172°, 70%, 92%
HSV	172°, 11%, 98%
XYZ	80.2167, 89.7324, 99.6920
YIQ	240.1720, -15.4040, -7.1800

Conversions

Conversions Part 2

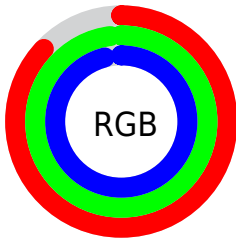
Format	Color
R _Y B	221, 236, 249
Decimal	14547445
CIE Lab	95.89, -9.75, -1.30
CIE LCh	96, 9.841, 187.591
Yxy	89.7324, 0.2975, 0.3328
Android (android.graphics.Color)	4292737525 (0xFFDDDF9F5)
YUV	240.1720, 2.3802, -16.8138
Hunter-Lab	94.7272, -14.6156, 3.9115

Details

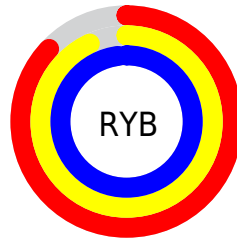
The RYB color **221, 236, 249** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **249, 221, 225**, and the grayscale version is **240, 240, 240**.

A 20% lighter version of the original color is **255, 255, 255**, and **166, 181, 193** is the 20% darker color. If you saturate the color by 10%, you get **196, 224, 249**, and if you desaturate by 10%, it is **246, 248, 249**.

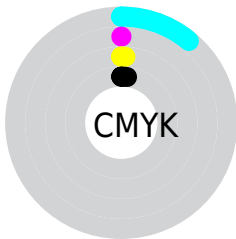
Distribution



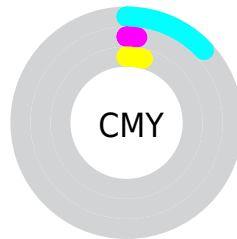
- Red (87%)
- Green (98%)
- Blue (96%)



- Red (87%)
- Yellow (93%)
- Blue (98%)



- Cyan (11%)
- Magenta (0%)
- Yellow (1%)
- Black (2%)



- Cyan (13%)
- Magenta (2%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the RYB color 221, 236, 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 221, 236, 249 by changing the saturation by 10% instead.

■ 221, 236, 249

255, 255, 255

■ 221, 236, 249

■ 193, 207, 220

■ 166, 181, 193

■ 139, 153, 165

■ 114, 127, 139

■ 89, 103, 114

■ 65, 78, 89

■ 42, 55, 66

■ 21, 33, 43

■ 0, 13, 24

221, 236, 249

221, 236, 249

196, 224, 249

246, 248, 249

171, 213, 249

255, 249, 252

146, 201, 249

255, 249, 255

121, 190, 249

97, 178, 249

72, 167, 249

47, 155, 249

22, 144, 249

0, 133, 249

Harmonies

Analogous

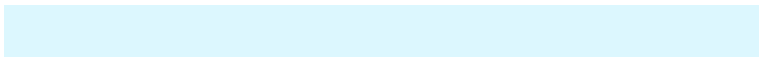
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



227, 242, 248



221, 236, 249



220, 235, 254

Triad

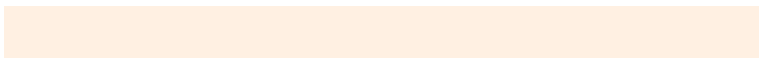
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



221, 236, 249



248, 240, 255



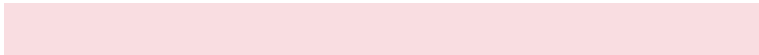
255, 253, 226

Complementary

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



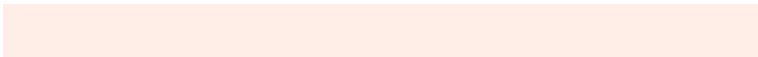
221, 236, 249



249, 221, 225

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, 240, 232



221, 236, 249



255, 238, 251

Square

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



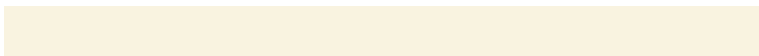
221, 236, 249



236, 241, 255



255, 237, 241



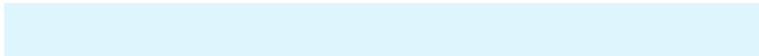
232, 249, 224

Rectangle

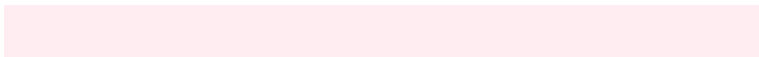
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



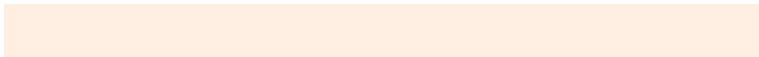
221, 236, 249



224, 237, 255



255, 237, 241



255, 248, 227

Sweetspot

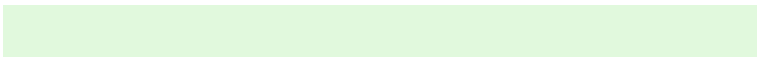
The Sweet Spot groups the original color and five complimentary colors.



221, 236, 249



247, 251, 255



221, 249, 245



122, 125, 128



0, 0, 0



128, 128, 128

Same Dimension

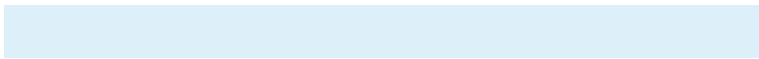
The Same Dimension uses a secret algorithm to generate beautiful new colors.



221, 236, 249



222, 240, 255



221, 232, 249



112, 119, 125



0, 101, 189



0, 33, 61

Inverse Universe

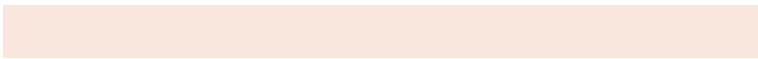
The Inverse Universe completely reimagines the original color for something new.



249, 221, 225



255, 222, 226



249, 237, 221



125, 112, 114



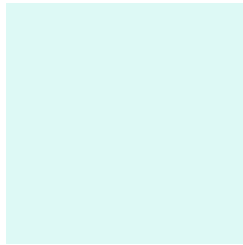
189, 0, 25



61, 0, 8

Previews

White Background



This preview shows how the RYB color 221, 236, 249 looks on a white background.

Color Contrast Check

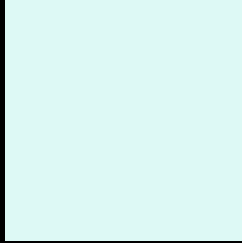
Large Text (above 18pt) WCAG AA × Fail

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 221, 236, 249 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

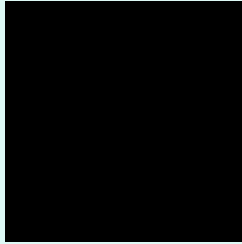
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

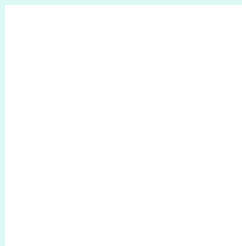
Any Text WCAG AAA ✓ Pass

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

RYB 221, 236, 249 Background



This preview shows how black text looks on a background with the RYB color 221, 236, 249.

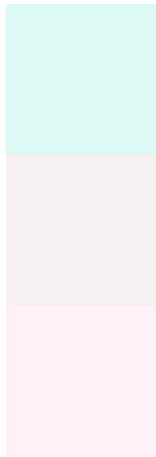


This preview shows how white text looks on a background with the RYB color 221, 236, 249.

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



Original Color
221, 236, 249

Protanopia
247, 242, 241

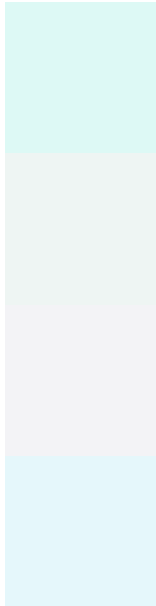
Deuteranopia
255, 239, 246



Tritanopia

233, 240, 255

Trichromacy



Original Color

221, 236, 249

Protanomaly

238, 242, 245

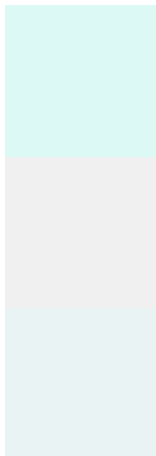
Deuteranomaly

243, 243, 246

Tritanomaly

229, 239, 251

Monochromacy



Original Color

221, 236, 249

Achromatopsia

240, 240, 240

Achromatomaly

233, 238, 243

CSS Examples

Text

The CSS property to change the color of the text to RYB 221, 236, 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(221, 249, 245)` looks like.

```
.text, #text, p{  
    color:rgb(221, 249, 245)  
}
```

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(221, 249, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 249, 245) }
```

Border

The CSS property to change the border of an element to RYB 221, 236, 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(221, 249, 245) }
```

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

```
.border{ border-color:rgb(221, 249, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 249, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 249, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 249, 245);  
box-shadow:4px 4px 4px 4px rgb(221, 249,  
245) }
```

Background

The CSS property to change the background color of an element to RGB 221, 236, 249 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 249, 245) }
```

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

```
.background{ background-color: rgb(221,  
249, 245) }
```

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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