

Converting Colors

`RYB(221, 228, 249)`

Have a look what the booklet for RYB(221, 228, 249) contains.

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Color

R_YB(221, 228, 249)

Conversions

Conversions Part 1

Format	Color
Hex	DDE6F9
RGB	221, 230, 249
RGB Percent	87%, 90%, 98%
CMY	0.1333, 0.0967, 0.0235
CMYK	0.11, 0.07, 0.00, 0.02
HSL	220°, 70%, 92%
HSV	220°, 11%, 98%
XYZ	75.3073, 78.9910, 100.9002
YIQ	229.4750, -11.4630, 4.0010

Conversions

Conversions Part 2

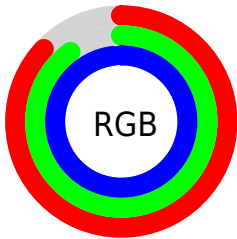
Format	Color
R _{YB}	221, 228, 249
Decimal	14542585
CIE _{Lab}	91.23, 0.47, -10.11
CIE _{LCh}	91, 10.119, 272.656
Yxy	78.9910, 0.2951, 0.3095
Android (android.graphics.Color)	4292732665 (0xFFDDE6F9)
YUV	229.4750, 9.6258, -7.4326
Hunter-Lab	88.8769, -4.2876, -5.0969

Details

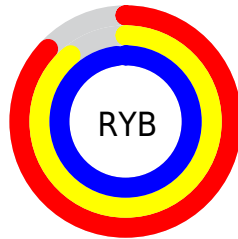
The RYB color **221, 228, 249** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **234, 249, 221**, and the grayscale version is **230, 230, 230**.

A 20% lighter version of the original color is 255, 255, 255, and **166, 173, 193** is the 20% darker color. If you saturate the color by 10%, you get **196, 209, 249**, and if you desaturate by 10%, it is **246, 247, 249**.

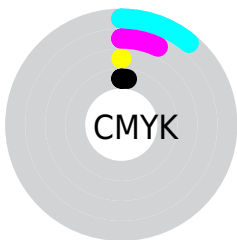
Distribution



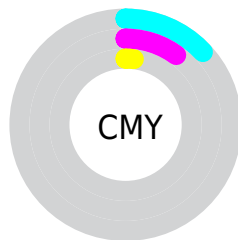
- Red (87%)
- Green (90%)
- Blue (98%)



- Red (87%)
- Yellow (89%)
- Blue (98%)



- Cyan (11%)
- Magenta (7%)
- Yellow (0%)
- Black (2%)



- Cyan (13%)
- Magenta (10%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the RYB color 221, 228, 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, 228, 249 by changing the saturation by 10% instead.

■ 221, 228, 249

255, 255, 255

■ 221, 228, 249

■ 193, 200, 220

■ 166, 173, 193

■ 139, 146, 165

■ 114, 120, 139

■ 89, 96, 114

■ 65, 72, 89

■ 43, 49, 66

■ 22, 28, 44

■ 0, 4, 23

■ 221, 228, 249

■ 221, 228, 249

■ 196, 209, 249

■ 246, 247, 249

■ 171, 191, 249

■ 249, 255, 249

■ 146, 172, 249

■ 121, 153, 249

■ 97, 135, 249

■ 72, 116, 249

■ 47, 97, 249

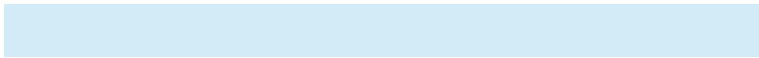
■ 22, 79, 249

■ 0, 62, 249

Harmonies

Analogous

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



211, 225, 247



221, 228, 249



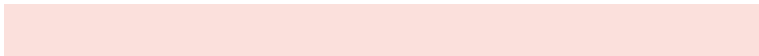
233, 227, 246

Triad

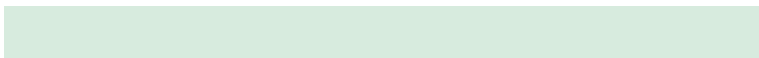
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



221, 228, 249



251, 225, 220



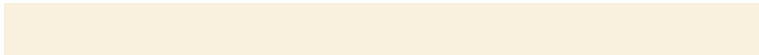
215, 230, 235

Complementary

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



221, 228, 249



234, 249, 221

Split Complementary

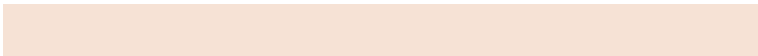
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



213, 232, 219



221, 228, 249



246, 234, 213

Square

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



221, 228, 249



250, 223, 229



223, 237, 211



208, 224, 236

Rectangle

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



221, 228, 249



240, 225, 242



223, 237, 211



218, 234, 233

Sweetspot

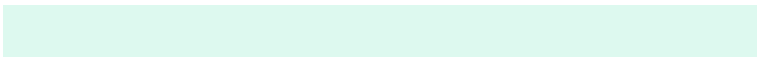
The Sweet Spot groups the original color and five complimentary colors.



221, 228, 249



247, 249, 255



221, 238, 249



122, 124, 128



0, 0, 0



128, 128, 128

Same Dimension

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



221, 228, 249



222, 230, 255



226, 221, 249



112, 116, 125



0, 47, 189



0, 15, 61

Inverse Universe

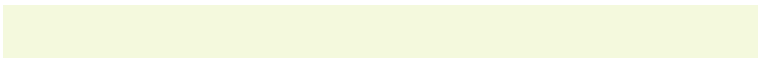
The Inverse Universe completely reimagines the original color for something new.



249, 221, 230



255, 222, 233



221, 249, 226



125, 112, 117



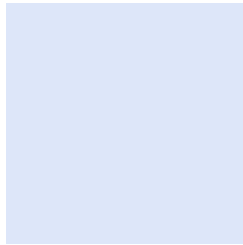
189, 0, 63



61, 0, 20

Previews

White Background



This preview shows how the RYB color 221, 228, 249 looks on a white background.

Color Contrast Check

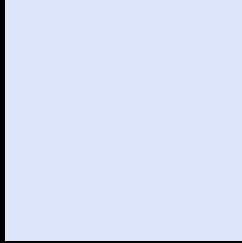
Large Text (above 18pt) WCAG AA × Fail

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, 228, 249 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

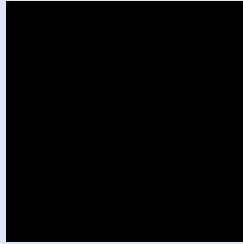
Any Text WCAG AA ✓ Pass

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, 228, 249 Background



This preview shows how black text looks on a background with the RYB color 221, 228, 249.



This preview shows how white text looks on a background with the RYB color 221, 228, 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, 228, 249

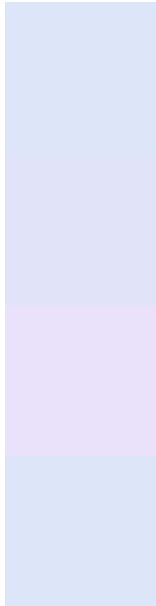
Protanopia
228, 228, 248

Deuteranopia
242, 223, 250



Tritanopia
221, 228, 249

Trichromacy



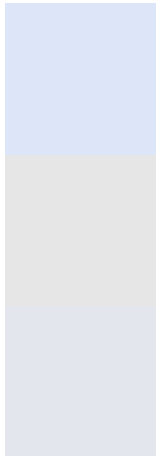
Original Color
221, 228, 249

Protanomaly
225, 228, 248

Deuteranomaly
234, 226, 250

Tritanomaly
221, 228, 249

Monochromacy



Original Color
221, 228, 249

Achromatopsia
230, 230, 230

Achromatomaly
227, 229, 237

CSS Examples

Text

The CSS property to change the color of the text to RYB 221, 228, 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, 230, 249)` looks like.

```
.text, #text, p{  
    color:rgb(221, 230, 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(221, 230, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 230, 249) }
```

Border

The CSS property to change the border of an element to RYB 221, 228, 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, 230, 249) }
```

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

```
.border{ border-color:rgb(221, 230, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 230, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 230, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 230, 249);  
box-shadow:4px 4px 4px 4px rgb(221, 230,  
249) }
```

Background

The CSS property to change the background color of an element to RYB 221, 228, 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, 230, 249) }
```

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

```
.background{ background-color: rgb(221,  
230, 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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