

Converting Colors

`RYB(222, 228, 253)`

Have a look what the booklet for
RYB(222, 228, 253) contains.

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Color

`RYB(222, 228, 253)`

Conversions

Conversions Part 1

Format	Color
Hex	DEE5FD
RGB	222, 229, 253
RGB Percent	87%, 90%, 99%
CMY	0.1294, 0.1002, 0.0078
CMYK	0.12, 0.09, 0.00, 0.01
HSL	226°, 89%, 93%
HSV	226°, 12%, 99%
XYZ	75.9950, 78.9039, 104.1531
YIQ	229.6430, -11.8760, 5.9800

Conversions

Conversions Part 2

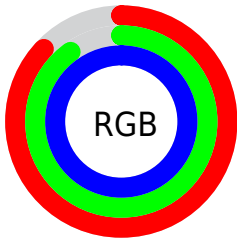
Format	Color
R _{YB}	222, 228, 253
Decimal	14607869
CIE Lab	91.19, 2.04, -12.25
CIE LCh	91, 12.419, 279.469
Yxy	78.9039, 0.2934, 0.3046
Android (android.graphics.Color)	4292797949 (0xFFDEE5FD)
YUV	229.6430, 11.5150, -6.7029
Hunter-Lab	88.8279, -2.7363, -7.3397

Details

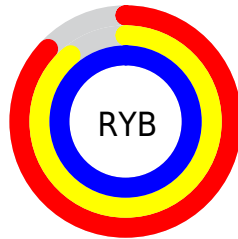
The RYB color **222, 228, 253** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **231, 253, 222**, and the grayscale version is **230, 230, 230**.

A 20% lighter version of the original color is 255, 255, 255, and **167, 173, 196** is the 20% darker color. If you saturate the color by 10%, you get **197, 208, 253**, and if you desaturate by 10%, it is 247, 249, 253.

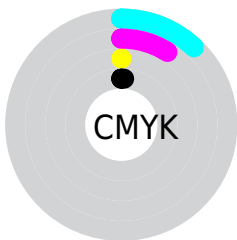
Distribution



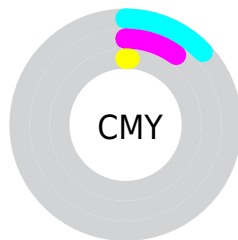
- Red (87%)
- Green (90%)
- Blue (99%)



- Red (87%)
- Yellow (89%)
- Blue (99%)



- Cyan (12%)
- Magenta (9%)
- Yellow (0%)
- Black (1%)



- Cyan (13%)
- Magenta (10%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the RYB color 222, 228, 253 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 222, 228, 253 by changing the saturation by 10% instead.

■ 222, 228, 253

255, 255, 255

■ 222, 228, 253

■ 194, 200, 224

■ 167, 173, 196

■ 140, 146, 169

■ 115, 121, 143

■ 90, 96, 117

■ 66, 72, 92

■ 43, 49, 69

■ 22, 28, 46

■ 0, 3, 26

■ 222, 228, 253

■ 222, 228, 253

■ 197, 208, 253

■ 247, 249, 253

■ 171, 187, 253

253, 255, 253

■ 146, 167, 253

■ 121, 147, 253

■ 96, 126, 253

■ 70, 105, 253

■ 45, 85, 253

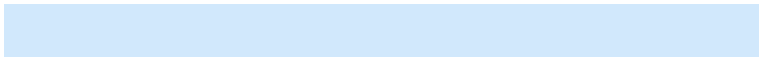
■ 20, 65, 253

■ 0, 49, 253

Harmonies

Analogous

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



209, 224, 252



222, 228, 253



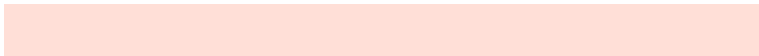
237, 226, 248

Triad

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



222, 228, 253



255, 225, 215



209, 228, 236

Complementary

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



222, 228, 253



231, 253, 222

Split Complementary

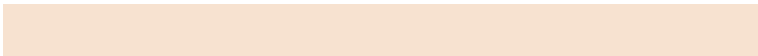
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



211, 234, 223



222, 228, 253



247, 241, 208

Square

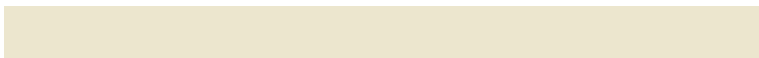
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



222, 228, 253



255, 222, 226



214, 236, 206



201, 220, 237

Rectangle

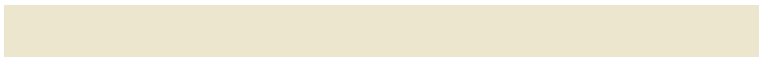
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



222, 228, 253



245, 223, 242



214, 236, 206



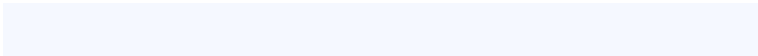
213, 233, 236

Sweetspot

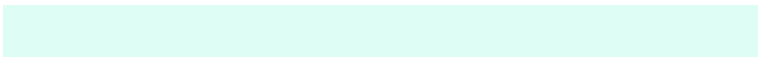
The Sweet Spot groups the original color and five complimentary colors.



222, 228, 253



245, 247, 255



222, 240, 253



121, 123, 128



0, 0, 0



128, 128, 128

Same Dimension

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



222, 228, 253



217, 224, 255



230, 222, 253



115, 117, 128



0, 37, 191



0, 12, 64

Inverse Universe

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



253, 222, 229



255, 217, 226



222, 253, 230



128, 115, 118



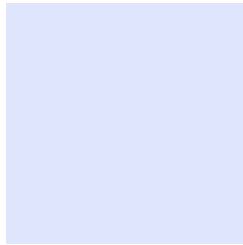
191, 0, 46



64, 0, 15

Previews

White Background



This preview shows how the RYB color 222, 228, 253 looks on a white background.

Color Contrast Check

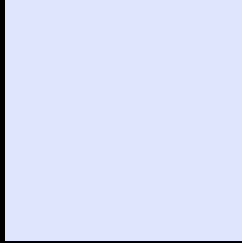
Large Text (above 18pt) WCAG AA × Fail

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 222, 228, 253 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

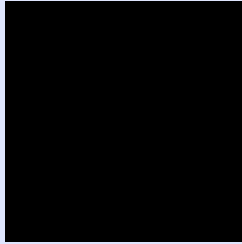
Any Text WCAG AA ✓ Pass

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 222, 228, 253 Background



This preview shows how black text looks on a background with the RYB color 222, 228, 253.



This preview shows how white text looks on a background with the RYB color 222, 228, 253.

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
222, 228, 253

Protanopia
227, 228, 252

Deuteranopia
240, 223, 254



Tritanopia

221, 228, 248

Trichromacy



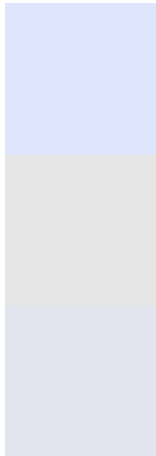
Original Color
222, 228, 253

Protanomaly
225, 228, 252

Deuteranomaly
233, 225, 254

Tritanomaly
221, 228, 250

Monochromacy



Original Color
222, 228, 253

Achromatopsia
230, 230, 230

Achromatomaly
227, 229, 238

CSS Examples

Text

The CSS property to change the color of the text to RYB 222, 228, 253 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(222, 229, 253)` looks like.

```
.text, #text, p{  
    color:rgb(222, 229, 253)  
}
```

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(222, 229, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 229, 253) }
```

Border

The CSS property to change the border of an element to RYB 222, 228, 253 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(222, 229, 253) }
```

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

```
.border{ border-color:rgb(222, 229, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 229, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 229, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 229, 253);  
box-shadow:4px 4px 4px 4px rgb(222, 229,  
253) }
```

Background

The CSS property to change the background color of an element to RYB 222, 229, 253 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 229, 253) }
```

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

```
.background{ background-color: rgb(222,  
229, 253) }
```

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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