

Converting Colors

`RYB(213, 218, 230)`

Have a look what the booklet for
RYB(213, 218, 230) contains.

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Color

R_YB(213, 218, 230)

Conversions

Conversions Part 1

Format	Color
Hex	D5DCE6
RGB	213, 220, 230
RGB Percent	84%, 86%, 90%
CMY	0.1647, 0.1369, 0.0980
CMYK	0.07, 0.04, 0.00, 0.10
HSL	215°, 25%, 87%
HSV	215°, 7%, 90%
XYZ	67.3386, 71.0895, 85.0354
YIQ	219.0470, -7.3820, 1.6260

Conversions

Conversions Part 2

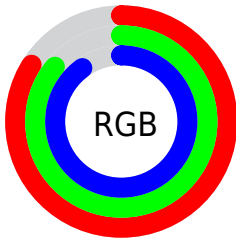
Format	Color
R _Y B	213, 218, 230
Decimal	14015718
CIE Lab	87.53, -0.51, -5.68
CIE LCh	88, 5.706, 264.907
Yxy	71.0895, 0.3013, 0.3181
Android (android.graphics.Color)	4292205798 (0xFFD5DCE6)
YUV	219.0470, 5.3998, -5.3032
Hunter-Lab	84.3146, -4.9899, -0.7767

Details

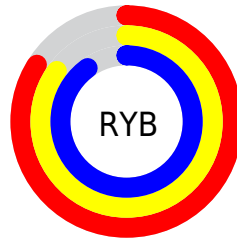
The RYB color **213, 218, 230** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **225, 230, 213**, and the grayscale version is **219, 219, 219**.

A 20% lighter version of the original color is **255, 255, 255**, and **158, 163, 175** is the 20% darker color. If you saturate the color by 10%, you get **190, 202, 230**, and if you desaturate by 10%, it is **233, 236, 230**.

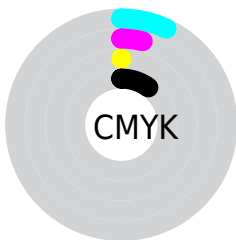
Distribution



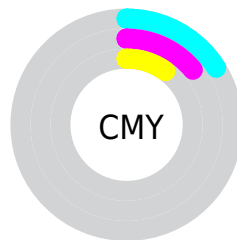
- Red (84%)
- Green (86%)
- Blue (90%)



- Red (84%)
- Yellow (85%)
- Blue (90%)



- Cyan (7%)
- Magenta (4%)
- Yellow (0%)
- Black (10%)



- Cyan (16%)
- Magenta (14%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the RYB color 213, 218, 230 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 213, 218, 230 by changing the saturation by 10% instead.

■ 213, 218, 230

255, 255, 255

■ 213, 218, 230

■ 185, 190, 202

■ 158, 163, 175

■ 132, 137, 148

■ 107, 111, 122

■ 83, 87, 97

■ 60, 64, 74


■ 38, 42, 51

■ 17, 21, 30


■ 0, 0, 3

 213, 218, 230


 213, 218, 230

 190, 202, 230


 233, 236, 230


 167, 185, 230


 242, 255, 230


 144, 169, 230

 230, 255, 230

 121, 153, 230

 98, 137, 230

 75, 121, 230

 52, 104, 230

 29, 88, 230

 6, 72, 230

Harmonies

Analogous

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



208, 216, 228



213, 218, 230



219, 218, 229

Triad

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



213, 218, 230



232, 216, 215



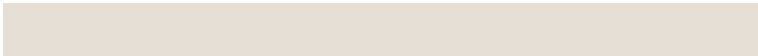
213, 222, 222

Complementary

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



213, 218, 230



225, 230, 213

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.



210, 220, 211



213, 218, 230



230, 220, 211

Square

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



213, 218, 230



230, 216, 220



219, 225, 209



208, 217, 223

Rectangle

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



213, 218, 230



224, 217, 227



219, 225, 209



212, 221, 218

Sweetspot

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



213, 218, 230



250, 251, 255



213, 224, 230



125, 126, 128



0, 0, 0



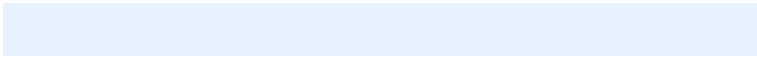
128, 128, 128

Same Dimension

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



213, 218, 230



232, 239, 255



214, 213, 230



103, 107, 115



0, 52, 179



0, 15, 51

Inverse Universe

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



230, 213, 220



255, 232, 242



213, 230, 214



115, 103, 108



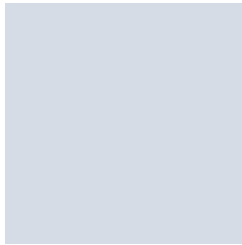
179, 0, 74



51, 0, 21

Previews

White Background



This preview shows how the RYB color 213, 218, 230 looks on a white background.

Color Contrast Check

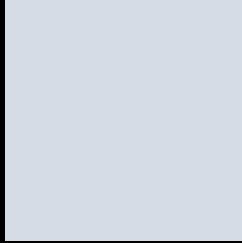
Large Text (above 18pt) WCAG AA × Fail

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 213, 218, 230 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

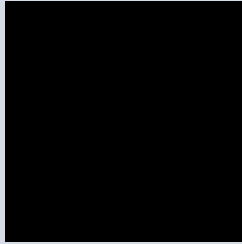
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

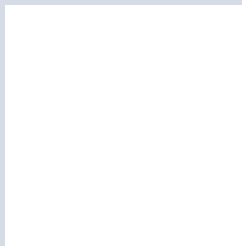
Any Text WCAG AAA ✓ Pass

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

RYB 213, 218, 230 Background



This preview shows how black text looks on a background with the RYB color 213, 218, 230.



This preview shows how white text looks on a background with the RYB color 213, 218, 230.

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](#).

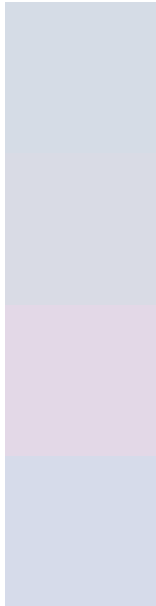
Dichromacy





Tritanopia
214, 218, 236

Trichromacy



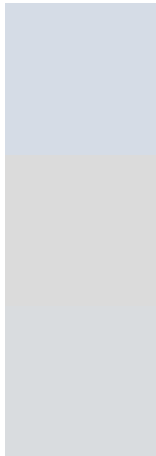
Original Color
213, 218, 230

Protanomaly
217, 219, 229

Deuteranomaly
227, 216, 231

Tritanomaly
214, 218, 234

Monochromacy



Original Color
213, 218, 230

Achromatopsia
219, 219, 219

Achromatomaly
217, 219, 223

CSS Examples

Text

The CSS property to change the color of the text to RYB 213, 218, 230 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(213, 220, 230)` looks like.

```
.text, #text, p{  
    color:rgb(213, 220, 230)  
}
```

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(213, 220, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 220, 230) }
```

Border

The CSS property to change the border of an element to RYB 213, 218, 230 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(213, 220, 230) }
```

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

```
.border{ border-color:rgb(213, 220, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 220, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 220, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 220, 230);  
box-shadow:4px 4px 4px 4px rgb(213, 220,  
230) }
```

Background

The CSS property to change the background color of an element to RGB 213, 218, 230 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 220, 230) }
```

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

```
.background{ background-color: rgb(213,  
220, 230) }
```

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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