

Converting Colors

`RYB(220, 225, 235)`

Have a look what the booklet for RYB(220, 225, 235) contains.

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Color

R_YB(220, 225, 235)

Conversions

Conversions Part 1

Format	Color
Hex	DCE4EB
RGB	220, 228, 235
RGB Percent	86%, 89%, 92%
CMY	0.1373, 0.1078, 0.0784
CMYK	0.06, 0.03, 0.00, 0.08
HSL	210°, 27%, 89%
HSV	210°, 6%, 92%
XYZ	72.1166, 76.4259, 89.5480
YIQ	226.4060, -7.0150, 0.4810

Conversions

Conversions Part 2

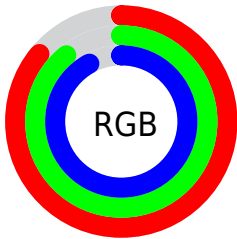
Format	Color
R _Y B	220, 225, 235
Decimal	14476523
CIE Lab	90.06, -1.10, -4.53
CIE LCh	90, 4.658, 256.320
Yxy	76.4259, 0.3029, 0.3210
Android (android.graphics.Color)	4292666603 (0xFFDCE4EB)
YUV	226.4060, 4.2368, -5.6181
Hunter-Lab	87.4219, -5.7390, 0.4634

Details

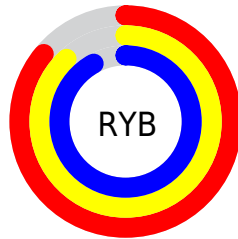
The RYB color **220, 225, 235** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **235, 233, 220**, and the grayscale version is **226, 226, 226**.

A 20% lighter version of the original color is **255, 255, 255**, and **165, 170, 179** is the 20% darker color. If you saturate the color by 10%, you get **197, 210, 235**, and if you desaturate by 10%, it is **244, 242, 235**.

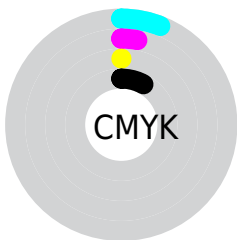
Distribution



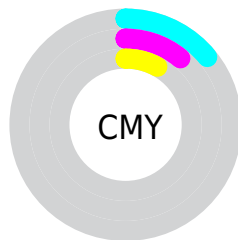
- Red (86%)
- Green (89%)
- Blue (92%)



- Red (86%)
- Yellow (88%)
- Blue (92%)



- Cyan (6%)
- Magenta (3%)
- Yellow (0%)
- Black (8%)



- Cyan (14%)
- Magenta (11%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the RYB color 220, 225, 235 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 220, 225, 235 by changing the saturation by 10% instead.

■ 220, 225, 235

255, 255, 255

■ 220, 225, 235

■ 192, 197, 207

■ 165, 170, 179

■ 139, 144, 153

■ 113, 118, 127

■ 89, 93, 102

■ 65, 70, 78

■ 43, 47, 55

■ 22, 26, 34

■ 0, 1, 11

 220, 225, 235


 220, 225, 235

 197, 210, 235


 244, 242, 235

 173, 194, 235


 240, 255, 235


 150, 178, 235


 235, 255, 235

 126, 163, 235

 103, 147, 235

 79, 131, 235

 56, 115, 235

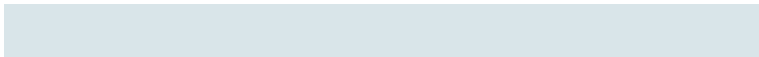
 32, 100, 235

 9, 84, 235

Harmonies

Analogous

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



217, 224, 233



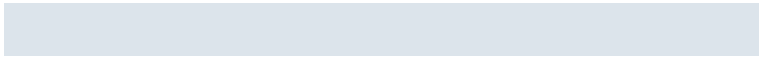
220, 225, 235



225, 226, 235

Triad

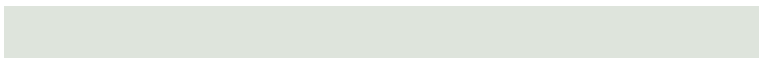
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



220, 225, 235



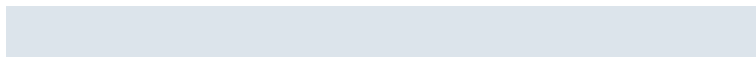
237, 224, 224



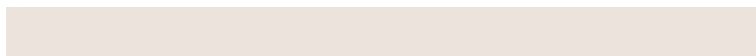
220, 228, 226

Complementary

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



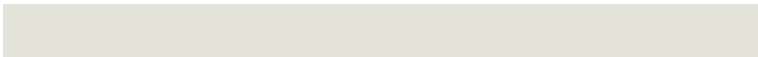
220, 225, 235



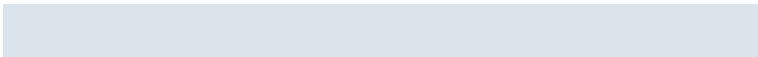
235, 233, 220

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.



219, 228, 218



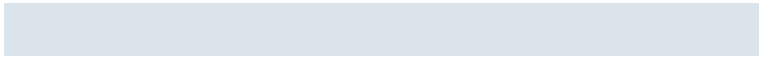
220, 225, 235



236, 225, 220

Square

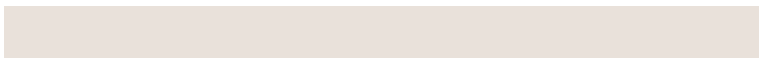
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



220, 225, 235



235, 224, 229



233, 231, 218



218, 225, 229

Rectangle

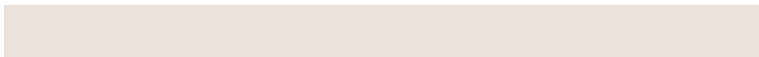
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



220, 225, 235



229, 225, 234



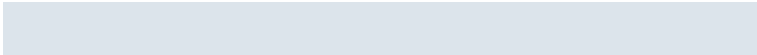
233, 231, 218



219, 228, 223

Sweetspot

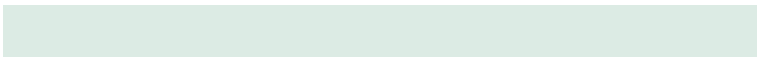
The Sweet Spot groups the original color and five complimentary colors.



220, 225, 235



250, 251, 255



220, 230, 235



125, 126, 128



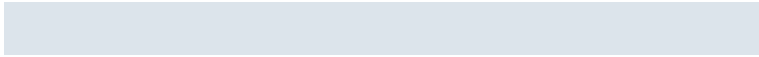
0, 0, 0



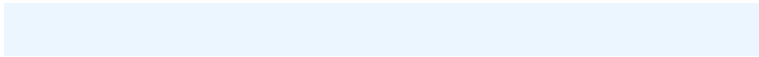
128, 128, 128

Same Dimension

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



220, 225, 235



235, 242, 255



220, 220, 235



106, 109, 117



0, 61, 181



0, 18, 54

Inverse Universe

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



235, 220, 227



255, 235, 245



220, 235, 220



117, 106, 111



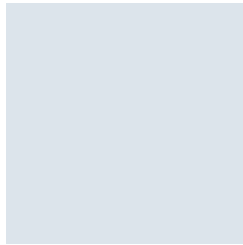
181, 0, 91



54, 0, 27

Previews

White Background



This preview shows how the RYB color 220, 225, 235 looks on a white background.

Color Contrast Check

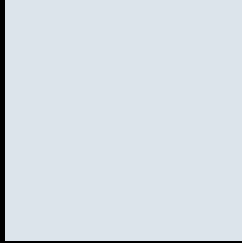
Large Text (above 18pt) WCAG AA × Fail

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 220, 225, 235 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

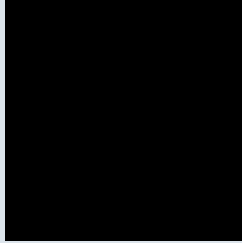
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

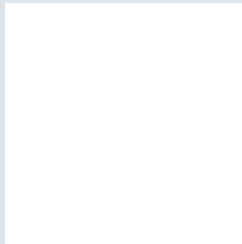
Any Text WCAG AAA ✓ Pass

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

RYB 220, 225, 235 Background



This preview shows how black text looks on a background with the RYB color 220, 225, 235.

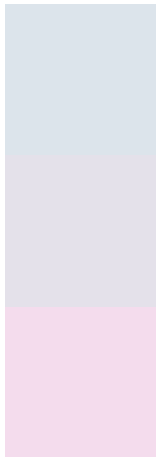


This preview shows how white text looks on a background with the RYB color 220, 225, 235.

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
220, 225, 235

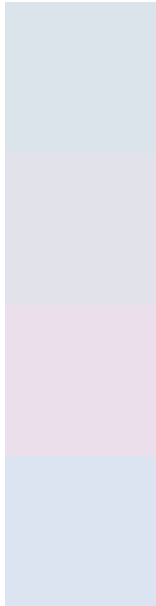
Protanopia
228, 225, 234

Deuteranopia
244, 220, 237



Tritanopia
221, 225, 244

Trichromacy



Original Color

220, 225, 235

Protanomaly

225, 226, 234

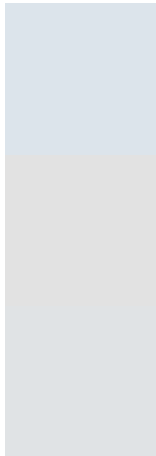
Deuteranomaly

235, 223, 236

Tritanomaly

221, 226, 241

Monochromacy



Original Color

220, 225, 235

Achromatopsia

226, 226, 226

Achromatomaly

224, 226, 229

CSS Examples

Text

The CSS property to change the color of the text to RYB 220, 225, 235 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(220, 228, 235) looks like.

```
.text, #text, p{  
    color:rgb(220, 228, 235)  
}
```

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(220, 228, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 228, 235) }
```

Border

The CSS property to change the border of an element to RYB 220, 225, 235 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(220, 228, 235) }
```

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

```
.border{ border-color:rgb(220, 228, 235) }
```

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

Here you see how a box with a 4 pixel rgb(220, 228, 235) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 228, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 228, 235);  
box-shadow:4px 4px 4px 4px rgb(220, 228,  
235) }
```

Background

The CSS property to change the background color of an element to RYB 220, 225, 235 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 228, 235) }
```

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

```
.background{ background-color: rgb(220,  
228, 235) }
```

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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