

Converting Colors

`RYB(220, 224, 233)`

Have a look what the booklet for
RYB(220, 224, 233) contains.

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Color

R_YB(220, 224, 233)

Conversions

Conversions Part 1

Format	Color
Hex	DCE2E9
RGB	220, 226, 233
RGB Percent	86%, 89%, 91%
CMY	0.1373, 0.1146, 0.0863
CMYK	0.06, 0.03, 0.00, 0.09
HSL	213°, 23%, 89%
HSV	213°, 6%, 91%
XYZ	71.3591, 75.3708, 87.8778
YIQ	225.0040, -5.8230, 0.9050

Conversions

Conversions Part 2

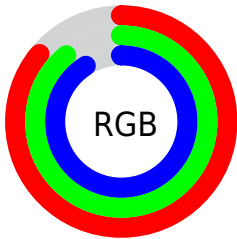
Format	Color
R _Y B	220, 224, 233
Decimal	14476009
CIE Lab	89.57, -0.59, -4.20
CIE LCh	90, 4.240, 261.996
Yxy	75.3708, 0.3042, 0.3213
Android (android.graphics.Color)	4292666089 (0xFFDCE2E9)
YUV	225.0040, 3.9420, -4.3885
Hunter-Lab	86.8163, -5.2096, 0.7565

Details

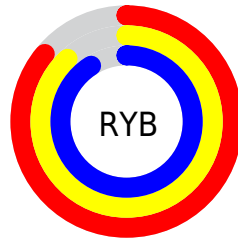
The RYB color **220, 224, 233** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **231, 233, 220**, and the grayscale version is **225, 225, 225**.

A 20% lighter version of the original color is **255, 255, 255**, and **165, 169, 177** is the 20% darker color. If you saturate the color by 10%, you get **197, 208, 233**, and if you desaturate by 10%, it is **240, 243, 233**.

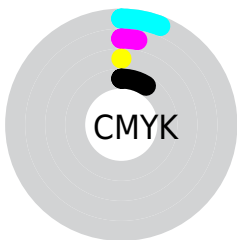
Distribution



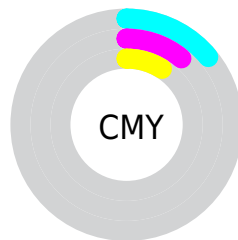
- Red (86%)
- Green (89%)
- Blue (91%)



- Red (86%)
- Yellow (88%)
- Blue (91%)



- Cyan (6%)
- Magenta (3%)
- Yellow (0%)
- Black (9%)



- Cyan (14%)
- Magenta (11%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the RYB color 220, 224, 233 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, 224, 233 by changing the saturation by 10% instead.

■ 220, 224, 233

255, 255, 255

■ 220, 224, 233

■ 192, 196, 205

■ 165, 169, 177

■ 139, 143, 151

■ 113, 117, 125

■ 89, 92, 100

■ 65, 68, 76

■ 43, 46, 53

■ 23, 26, 32

■ 0, 0, 8

 220, 224, 233


 220, 224, 233

 197, 208, 233


 240, 243, 233


 173, 192, 233


 236, 255, 233


 150, 176, 233

 233, 255, 233

 127, 160, 233

 104, 144, 233

 80, 127, 233

 57, 111, 233

 34, 95, 233

 10, 79, 233

Harmonies

Analogous

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



217, 223, 231



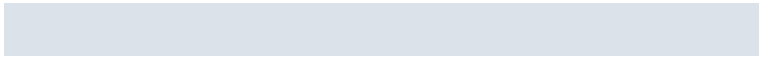
220, 224, 233



225, 224, 233

Triad

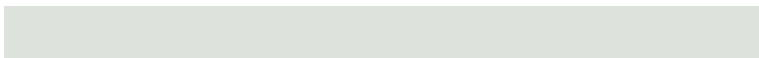
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



220, 224, 233



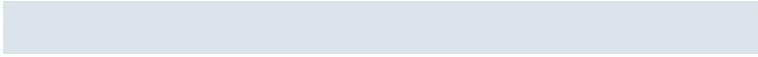
234, 223, 222



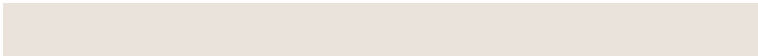
220, 227, 226

Complementary

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



220, 224, 233



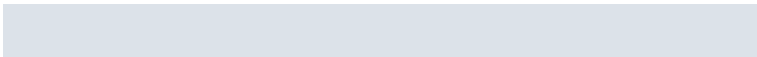
231, 233, 220

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.



218, 226, 219



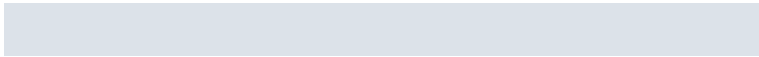
220, 224, 233



233, 225, 219

Square

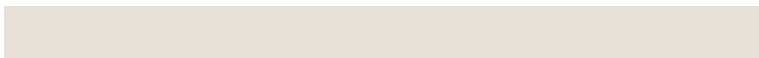
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



220, 224, 233



233, 223, 226



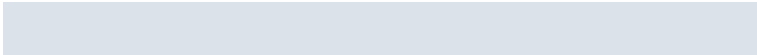
228, 230, 217



217, 224, 228

Rectangle

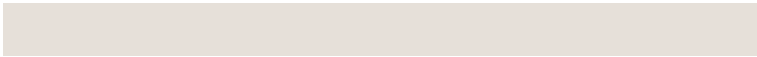
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



220, 224, 233



228, 224, 231



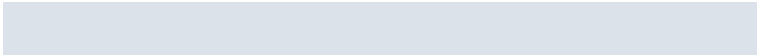
228, 230, 217



219, 227, 224

Sweetspot

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



220, 224, 233



250, 251, 255



220, 228, 233



125, 126, 128



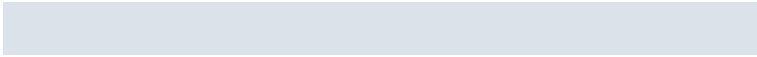
0, 0, 0



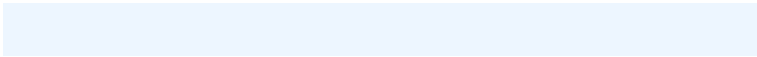
128, 128, 128

Same Dimension

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



220, 224, 233



237, 243, 255



221, 220, 233



108, 111, 117



0, 55, 181



0, 17, 54

Inverse Universe

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



233, 220, 226



255, 237, 245



220, 233, 221



117, 108, 112



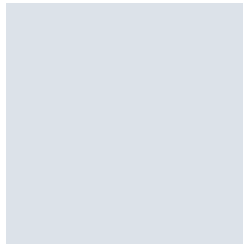
181, 0, 80



54, 0, 24

Previews

White Background



This preview shows how the RYB color 220, 224, 233 looks on a white background.

Color Contrast Check

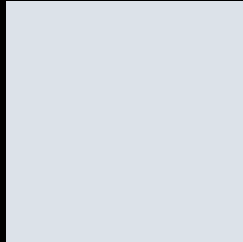
Large Text (above 18pt) WCAG AA × Fail

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, 224, 233 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

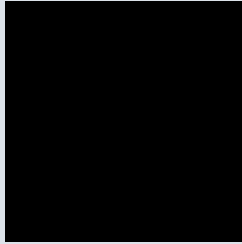
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

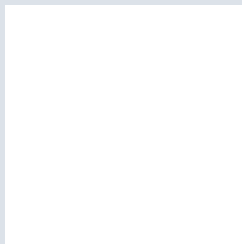
Any Text WCAG AAA ✓ Pass

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

RYB 220, 224, 233 Background



This preview shows how black text looks on a background with the RYB color 220, 224, 233.



This preview shows how white text looks on a background with the RYB color 220, 224, 233.

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](#).

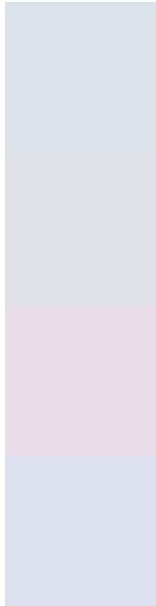
Dichromacy





Tritanopia
221, 224, 242

Trichromacy



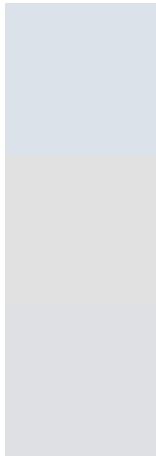
Original Color
220, 224, 233

Protanomaly
224, 225, 232

Deuteranomaly
234, 221, 234

Tritanomaly
221, 224, 239

Monochromacy



Original Color
220, 224, 233

Achromatopsia
225, 225, 225

Achromatomaly
223, 224, 228

CSS Examples

Text

The CSS property to change the color of the text to RYB 220, 224, 233 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, 226, 233) looks like.

```
.text, #text, p{  
    color:rgb(220, 226, 233)  
}
```

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, 226, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 226, 233) }
```

Border

The CSS property to change the border of an element to RYB 220, 224, 233 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, 226, 233) }
```

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

```
.border{ border-color:rgb(220, 226, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 226, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 226, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 226, 233);  
box-shadow:4px 4px 4px 4px rgb(220, 226,  
233) }
```

Background

The CSS property to change the background color of an element to RYB 220, 224, 233 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 226, 233) }
```

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

```
.background{ background-color: rgb(220,  
226, 233) }
```

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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