

Converting Colors

`RYB(223, 226, 232)`

Have a look what the booklet for
RYB(223, 226, 232) contains.

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Color

R_YB(223, 226, 232)

Conversions

Conversions Part 1

Format	Color
Hex	DFE4E8
RGB	223, 228, 232
RGB Percent	87%, 89%, 91%
CMY	0.1255, 0.1078, 0.0902
CMYK	0.04, 0.02, 0.00, 0.09
HSL	210°, 16%, 89%
HSV	210°, 4%, 91%
XYZ	72.6030, 76.7263, 87.3270
YIQ	226.9610, -4.2640, 0.1840

Conversions

Conversions Part 2

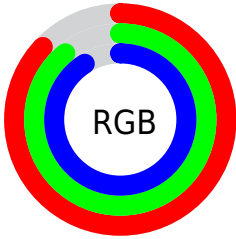
Format	Color
R _Y B	223, 226, 232
Decimal	14673128
CIE Lab	90.20, -0.68, -2.72
CIE LCh	90, 2.807, 256.047
Yxy	76.7263, 0.3068, 0.3242
Android (android.graphics.Color)	4292863208 (0xFFDFE4E8)
YUV	226.9610, 2.4842, -3.4738
Hunter-Lab	87.5935, -5.3368, 2.2059

Details

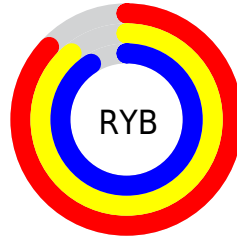
The RYB color **223, 226, 232** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **232, 230, 223**, and the grayscale version is **227, 227, 227**.

A 20% lighter version of the original color is **255, 255, 255**, and **168, 171, 176** is the 20% darker color. If you saturate the color by 10%, you get **200, 211, 232**, and if you desaturate by 10%, it is **246, 246, 232**.

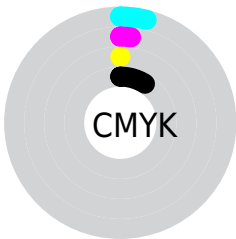
Distribution



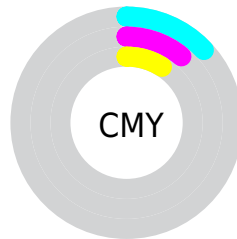
- Red (87%)
- Green (89%)
- Blue (91%)



- Red (87%)
- Yellow (89%)
- Blue (91%)



- Cyan (4%)
- Magenta (2%)
- Yellow (0%)
- Black (9%)



- Cyan (13%)
- Magenta (11%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the RYB color 223, 226, 232 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 223, 226, 232 by changing the saturation by 10% instead.

■ 223, 226, 232

255, 255, 255

■ 223, 226, 232

■ 195, 198, 204

■ 168, 171, 176

■ 141, 144, 150

■ 116, 119, 124

■ 91, 94, 99

■ 68, 71, 75


■ 46, 48, 53

■ 25, 27, 31

■ 0, 2, 7

 223, 226, 232

 223, 226, 232

 200, 211, 232


 246, 246, 232


 177, 195, 232


 237, 255, 232


 153, 180, 232


 232, 255, 232

 130, 164, 232

 107, 149, 232

 84, 133, 232

 61, 118, 232

 37, 102, 232

 14, 87, 232

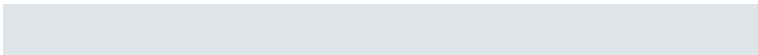
Harmonies

Analogous

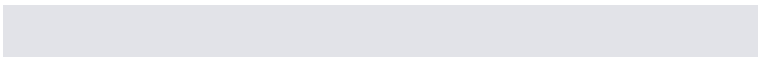
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



221, 225, 231



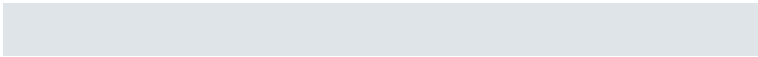
223, 226, 232



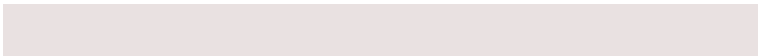
226, 227, 232

Triad

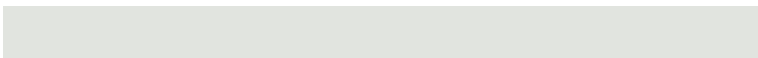
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



223, 226, 232



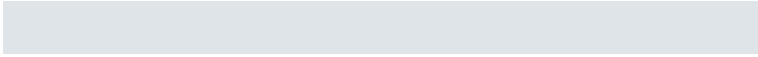
233, 225, 225



223, 228, 226

Complementary

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



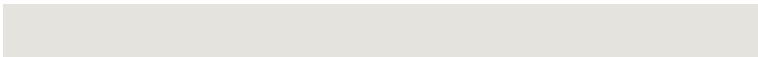
223, 226, 232



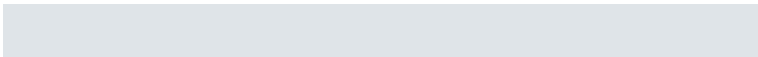
232, 230, 223

Split Complementary

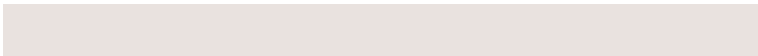
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



223, 228, 222



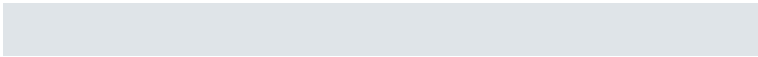
223, 226, 232



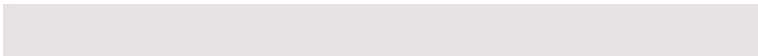
233, 227, 223

Square

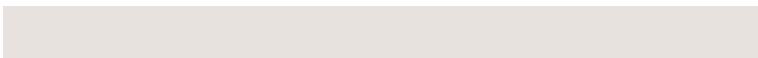
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



223, 226, 232



232, 225, 228



231, 229, 222



222, 226, 228

Rectangle

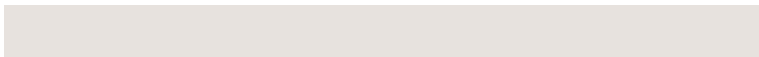
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



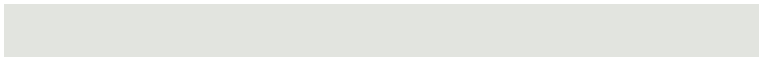
223, 226, 232



228, 226, 231



231, 229, 222



223, 228, 225

Sweetspot

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



223, 226, 232



252, 253, 255



223, 229, 232



126, 127, 128



0, 0, 0



128, 128, 128

Same Dimension

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



223, 226, 232



242, 247, 255



223, 223, 232



108, 110, 115



0, 59, 179



0, 17, 51

Inverse Universe

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



232, 223, 228



255, 242, 249



223, 232, 223



115, 108, 111



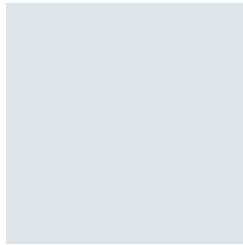
179, 0, 89



51, 0, 26

Previews

White Background



This preview shows how the RYB color 223, 226, 232 looks on a white background.

Color Contrast Check

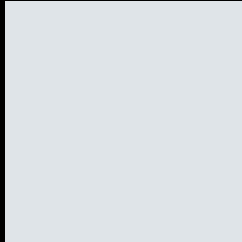
Large Text (above 18pt) WCAG AA × Fail

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 223, 226, 232 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

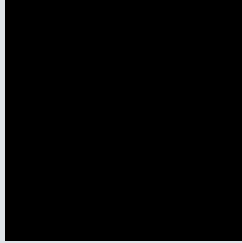
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

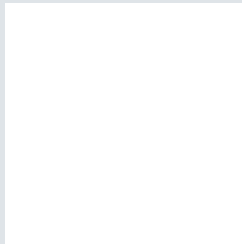
Any Text WCAG AAA ✓ Pass

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

RYB 223, 226, 232 Background



This preview shows how black text looks on a background with the RYB color 223, 226, 232.

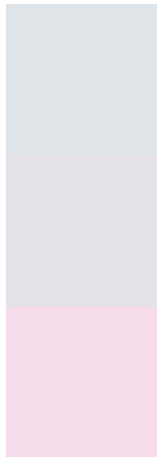


This preview shows how white text looks on a background with the RYB color 223, 226, 232.

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
223, 226, 232

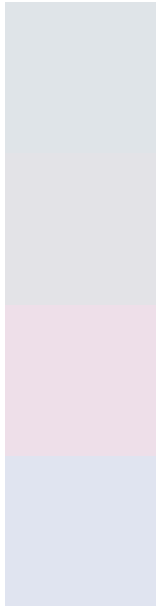
Protanopia
229, 226, 231

Deuteranopia
246, 220, 234



Tritanopia
225, 226, 244

Trichromacy



Original Color

223, 226, 232

Protanomaly

227, 227, 231

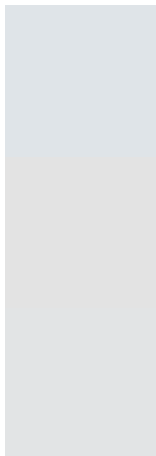
Deuteranomaly

238, 223, 233

Tritanomaly

224, 227, 240

Monochromacy



Original Color

223, 226, 232

Achromatopsia

227, 227, 227

Achromatomaly

226, 227, 229

CSS Examples

Text

The CSS property to change the color of the text to RYB 223, 226, 232 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(223, 228, 232) looks like.

```
.text, #text, p{  
    color:rgb(223, 228, 232)  
}
```

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(223, 228, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 228, 232) }
```

Border

The CSS property to change the border of an element to RYB 223, 226, 232 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(223, 228, 232) }
```

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

```
.border{ border-color:rgb(223, 228, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 228, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 228, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 228, 232);  
box-shadow:4px 4px 4px 4px rgb(223, 228,  
232) }
```

Background

The CSS property to change the background color of an element to RYB 223, 226, 232 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 228, 232) }
```

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

```
.background{ background-color: rgb(223,  
228, 232) }
```

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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