

# Converting Colors

`RYB(223, 228, 225)`

Have a look what the booklet for  
RYB(223, 228, 225) contains.

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# **Color**

**R<sub>Y</sub>B(223, 228, 225)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E2E4DF
RGB	226, 228, 223
RGB Percent	89%, 89%, 87%
CMY	0.1137, 0.1059, 0.1255
CMYK	0.01, 0.00, 0.02, 0.11
HSL	84°, 8%, 88%
HSV	84°, 2%, 89%
XYZ	72.4267, 76.9833, 80.8540
YIQ	226.8320, 0.4130, -1.9790

# Conversions

## Conversions Part 2

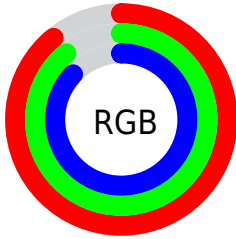
<b>Format</b>	<b>Color</b>
<b>R<sub>Y</sub>B</b>	223, 228, 225
Decimal	14869727
CIE Lab	90.31, -1.56, 2.19
CIE LCh	90, 2.687, 125.430
Yxy	76.9833, 0.3145, 0.3343
Android (android.graphics.Color)	4293059807 (0xFFE2E4DF)
YUV	226.8320, -1.8892, -0.7297
Hunter-Lab	87.7401, -6.1990, 6.7813

# Details

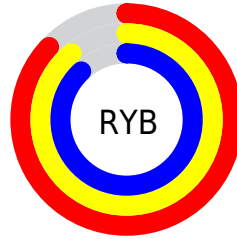
The RYB color **223, 228, 225** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **225, 223, 228**, and the grayscale version is **227, 227, 227**.

A 20% lighter version of the original color is **255, 255, 255**, and **168, 173, 170** is the 20% darker color. If you saturate the color by 10%, you get **200, 228, 211**, and if you desaturate by 10%, it is **235, 228, 246**.

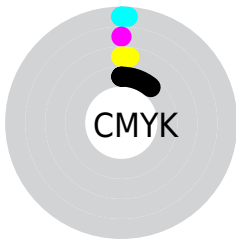
# Distribution



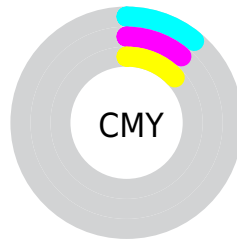
- Red (89%)
- Green (89%)
- Blue (87%)



- Red (87%)
- Yellow (89%)
- Blue (88%)



- Cyan (1%)
- Magenta (0%)
- Yellow (2%)
- Black (11%)



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

# Brightness & Saturation Gradients

These gradients show how the RYB color 223, 228, 225 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, 228, 225 by changing the saturation by 10% instead.



■ 223, 228, 225

255, 255, 255

■ 223, 228, 225

■ 195, 200, 197

■ 168, 173, 170

■ 141, 146, 143

■ 116, 120, 117

■ 91, 96, 93

■ 68, 72, 70

■ 46, 50, 48

■ 25, 29, 27

■ 0, 2, 2

 223, 228, 225

 223, 228, 225

 200, 228, 211

 235, 228, 246

 177, 228, 197

 244, 228, 255

 155, 228, 184

 253, 228, 255

 132, 228, 170

 255, 228, 255

 109, 228, 157

 86, 228, 143

 63, 228, 129

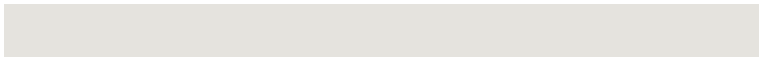
 41, 228, 116

 18, 228, 102

# Harmonies

## Analogous

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



225, 229, 222



223, 228, 225



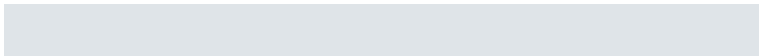
223, 228, 229

# Triad

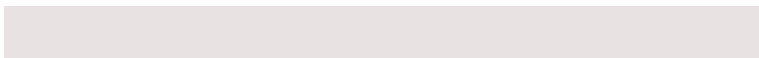
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



223, 228, 225



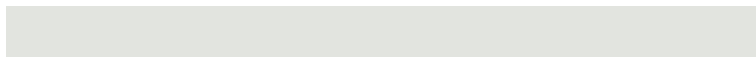
223, 226, 232



233, 226, 227

# Complementary

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



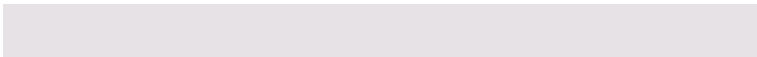
223, 228, 225



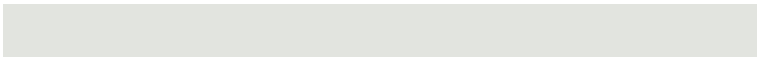
225, 223, 228

# Split Complementary

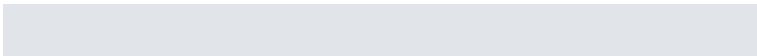
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



231, 226, 229



223, 228, 225



225, 227, 232

# Square

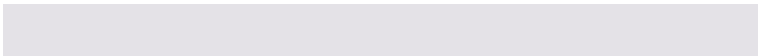
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



223, 228, 225



221, 225, 230



228, 226, 231



233, 227, 224

# Rectangle

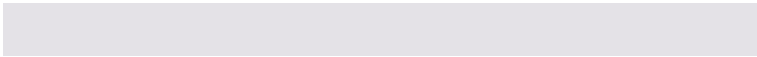
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



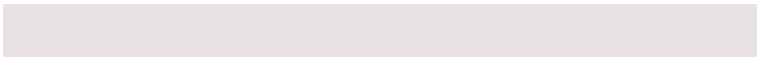
223, 228, 225



222, 226, 229



228, 226, 231

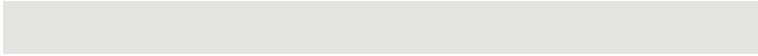


232, 226, 228



# Sweetspot

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



223, 228, 225



252, 255, 253



228, 226, 223



126, 128, 127



0, 0, 0



128, 128, 128



# Same Dimension

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



223, 228, 225



247, 255, 250



223, 228, 227



110, 115, 112



0, 179, 72



0, 51, 20



# Inverse Universe

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



225, 223, 228



250, 247, 255



228, 223, 228



112, 110, 115



71, 0, 179

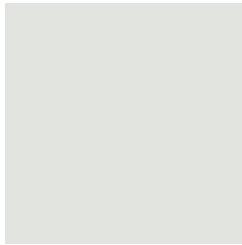


20, 0, 51



# Previews

## White Background



This preview shows how the RYB color 223, 228, 225 looks on a white background.

## Color Contrast Check

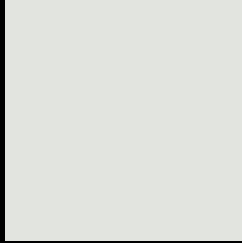
Large Text (above 18pt) WCAG AA × Fail

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, 228, 225 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

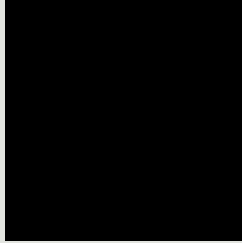
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

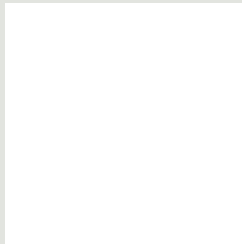
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## **RYB 223, 228, 225 Background**



This preview shows how black text looks on a background with the RYB color 223, 228, 225.

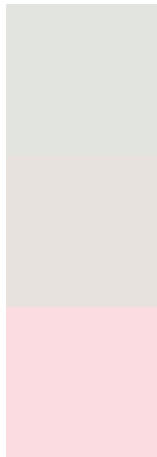


This preview shows how white text looks on a background with the RYB color 223, 228, 225.

# 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, 228, 225

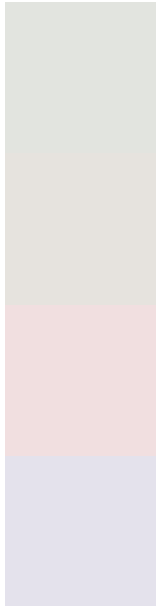
**Protanopia**  
232, 229, 222

**Deuteranopia**  
250, 220, 225



**Tritanopia**  
229, 225, 243

# Trichromacy



## Original Color

223, 228, 225

## Protanomaly

227, 230, 222

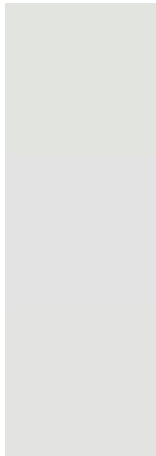
## Deuteranomaly

241, 223, 224

## Tritanomaly

228, 226, 236

# Monochromacy



## Original Color

223, 228, 225

## Achromatopsia

227, 227, 227

## Achromatomaly

226, 227, 226

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 223, 228, 225 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(226, 228, 223)` looks like.

```
.text, #text, p{  
    color:rgb(226, 228, 223)  
}
```

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(226, 228, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 228, 223) }
```

## Border

The CSS property to change the border of an element to RYB 223, 228, 225 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(226, 228, 223) }
```

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

```
.border{ border-color:rgb(226, 228, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 228, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(226, 228, 223); -webkit-box-shadow:4px 4px 4px 4px rgb(226, 228, 223); box-shadow:4px 4px 4px 4px rgb(226, 228, 223) }
```

# Background

The CSS property to change the background color of an element to RYB 223, 228, 225 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 228, 223) }
```

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

```
.background{ background-color: rgb(226,  
228, 223) }
```

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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