

# Converting Colors

`RYB(228, 222, 226)`

Have a look what the booklet for RYB(228, 222, 226) contains.

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# Color

**R<sub>Y</sub>B(228, 222, 226)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E4DEE2
RGB	228, 222, 226
RGB Percent	89%, 87%, 89%
CMY	0.1059, 0.1294, 0.1137
CMYK	0.00, 0.03, 0.01, 0.11
HSL	320°, 10%, 88%
HSV	320°, 3%, 89%
XYZ	71.8437, 74.2275, 82.4923
YIQ	224.2500, 2.2920, 2.5160

# Conversions

## Conversions Part 2

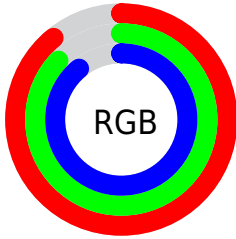
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	228, 222, 226
Decimal	14999266
CIE Lab	89.03, 2.75, -1.24
CIE LCh	89, 3.015, 335.721
Yxy	74.2275, 0.3143, 0.3248
Android (android.graphics.Color)	4293189346 (0xFFE4DDE2)
YUV	224.2500, 0.8628, 3.2887
Hunter-Lab	86.1554, -1.9235, 3.5396

# Details

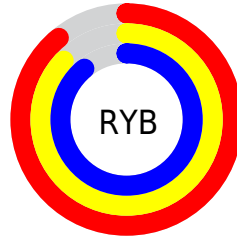
The RYB color **228, 222, 226** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **222, 227, 228**, and the grayscale version is **224, 224, 224**.

A 20% lighter version of the original color is **255, 255, 255**, and **173, 167, 171** is the 20% darker color. If you saturate the color by 10%, you get **228, 199, 218**, and if you desaturate by 10%, it is **228, 241, 245**.

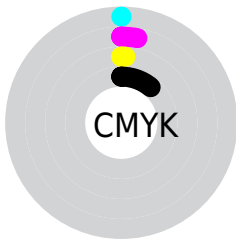
# Distribution



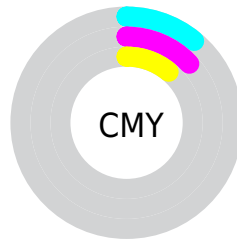
- Red (89%)
- Green (87%)
- Blue (89%)



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



- Cyan (0%)
- Magenta (3%)
- Yellow (1%)
- Black (11%)



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

# Brightness & Saturation Gradients

These gradients show how the RYB color 228, 222, 226 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 228, 222, 226 by changing the saturation by 10% instead.



■ 228, 222, 226

255, 255, 255

■ 228, 222, 226

■ 200, 194, 198

■ 173, 167, 171

■ 146, 141, 144

■ 120, 115, 119

■ 96, 91, 94

■ 72, 67, 70


■ 50, 45, 48

■ 29, 24, 27

■ 0, 0, 0

 228, 222, 226

 228, 222, 226

 228, 199, 218

 228, 241, 245

 228, 176, 211

 228, 246, 255

 228, 154, 203

 228, 243, 255

 228, 131, 196


 228, 242, 255

 228, 108, 188

 228, 85, 180

 228, 62, 173

 228, 40, 165

 228, 17, 158

# Harmonies

## Analogous

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



225, 223, 228



228, 222, 226



230, 222, 223

# Triad

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



228, 222, 226



221, 226, 218



217, 221, 227

# Complementary

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



228, 222, 226



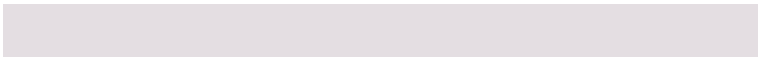
222, 227, 228

# 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.



217, 221, 225



228, 222, 226



219, 224, 221

# Square

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



228, 222, 226



228, 228, 218



219, 224, 225



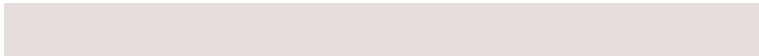
219, 223, 229

# Rectangle

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



228, 222, 226



230, 222, 221



219, 224, 225



217, 221, 226



# Sweetspot

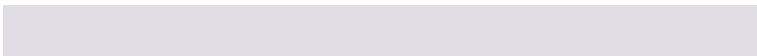
The Sweet Spot groups the original color and five complimentary colors.



228, 222, 226



255, 252, 254



224, 222, 228



128, 126, 127



0, 0, 0



128, 128, 128

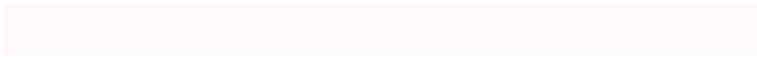


# Same Dimension

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



228, 222, 226



255, 247, 252



228, 222, 223



115, 110, 113



179, 0, 119



51, 0, 34

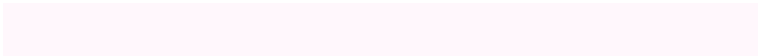


# Inverse Universe

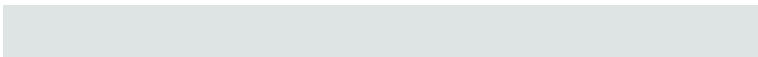
The Inverse Universe completely reimagines the original color for something new.



228, 222, 226



255, 247, 252



222, 225, 228



115, 110, 113



179, 0, 119

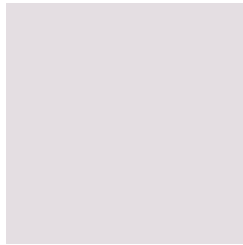


51, 0, 34



# Previews

## White Background



This preview shows how the RYB color 228, 222, 226 looks on a white background.

## Color Contrast Check

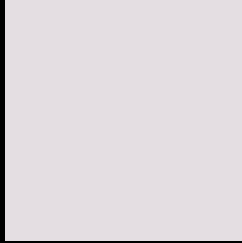
Large Text (above 18pt) WCAG AA × Fail

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 228, 222, 226 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

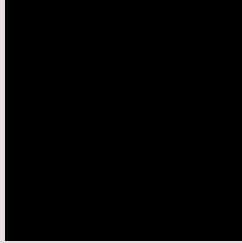
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

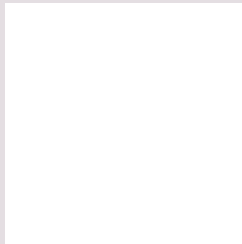
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## R Y B 228, 222, 226 Background



This preview shows how black text looks on a background with the R Y B color 228, 222, 226.



This preview shows how white text looks on a background with the R Y B color 228, 222, 226.

# 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

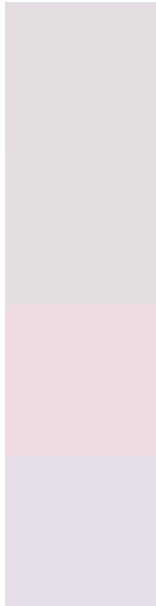
	<b>Original Color</b> 228, 222, 226
	<b>Protanopia</b> 227, 222, 226
	<b>Deuteranopia</b> 243, 217, 227



# Tritanopia

230, 220, 238

# Trichromacy



**Original Color**

228, 222, 226

**Protanomaly**

227, 222, 226

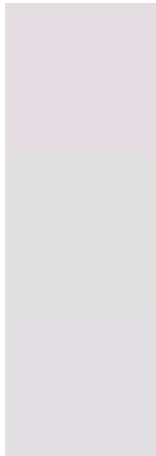
**Deuteranomaly**

238, 219, 227

**Tritanomaly**

229, 221, 234

# Monochromacy



**Original Color**

228, 222, 226

**Achromatopsia**

224, 224, 224

**Achromatomaly**

225, 223, 225

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 228, 222, 226 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(228, 222, 226) looks like.

```
.text, #text, p{  
    color:rgb(228, 222, 226)  
}
```

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(228, 222, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 222, 226) }
```

## Border

The CSS property to change the border of an element to RYB 228, 222, 226 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(228, 222, 226) }
```

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

```
.border{ border-color:rgb(228, 222, 226) }
```

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

Here you see how a box with a 4 pixel rgb(228, 222, 226) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 222, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 222, 226);  
box-shadow:4px 4px 4px 4px rgb(228, 222,  
226) }
```

# Background

The CSS property to change the background color of an element to RYB 228, 222, 226 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 222, 226) }
```

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

```
.background{ background-color: rgb(228,  
222, 226) }
```

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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