

# Converting Colors

`RYB(226, 207, 226)`

Have a look what the booklet for  
RYB(226, 207, 226) contains.

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# Color

**R<sub>Y</sub>B(226, 207, 226)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E2CFE2
RGB	226, 207, 226
RGB Percent	89%, 81%, 89%
CMY	0.1137, 0.1882, 0.1137
CMYK	0.00, 0.08, 0.00, 0.11
HSL	300°, 25%, 85%
HSV	300°, 8%, 89%
XYZ	67.4043, 66.2854, 81.1933
YIQ	214.8470, 5.2250, 9.9370

# Conversions

## Conversions Part 2

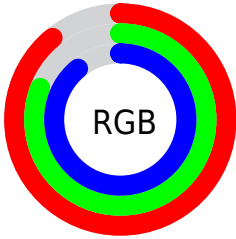
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	226, 207, 226
Decimal	14864354
CIE Lab	85.14, 9.93, -6.98
CIE LCh	85, 12.135, 324.880
Yxy	66.2854, 0.3137, 0.3085
Android (android.graphics.Color)	4293054434 (0xFFE2CFE2)
YUV	214.8470, 5.4984, 9.7812
Hunter-Lab	81.4158, 5.3028, -2.1368

# Details

The RYB color `226, 207, 226` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `207, 226, 226`, and the grayscale version is `215, 215, 215`.

A 20% lighter version of the original color is `255, 255, 255`, and `171, 153, 171` is the 20% darker color. If you saturate the color by 10%, you get `226, 184, 226`, and if you desaturate by 10%, it is `226, 230, 230`.

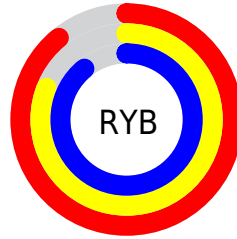
# Distribution



Red (89%)

Green (81%)

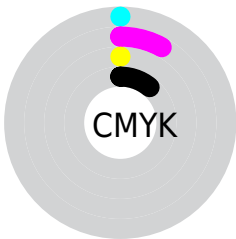
Blue (89%)



Red (89%)

Yellow (81%)

Blue (89%)

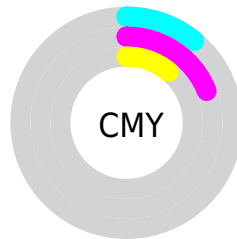


Cyan (0%)

Magenta (8%)

Yellow (0%)

Black (11%)



Cyan (11%)

Magenta (19%)

Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the RYB color 226, 207, 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 226, 207, 226 by changing the saturation by 10% instead.




 226, 207, 226

255, 255, 255

 226, 207, 226

 198, 179, 198

 171, 153, 171

 144, 127, 144

 118, 102, 119

 94, 78, 94

 70, 55, 70


 47, 33, 48

 27, 12, 27

 0, 0, 0

 226, 207, 226

 226, 207, 226

 226, 184, 226


 226, 230, 230

 226, 162, 226


 226, 252, 252


 226, 139, 226


 226, 255, 255


 226, 117, 226

 226, 94, 226

 226, 71, 226

 226, 49, 226

 226, 26, 226

 226, 4, 226

# Harmonies

## Analogous

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



213, 210, 233



226, 207, 226



235, 205, 215

# Triad

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



226, 207, 226



211, 224, 190



184, 202, 222

# Complementary

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



226, 207, 226



207, 226, 226

# 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.



188, 206, 219



226, 207, 226



192, 215, 195

# Square

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



226, 207, 226



234, 216, 194



199, 218, 218



188, 205, 231

# Rectangle

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



226, 207, 226



238, 205, 207



199, 218, 218



185, 203, 220



# Sweetspot

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



226, 207, 226



255, 247, 255



207, 207, 226



128, 122, 128



0, 0, 0



128, 128, 128



# Same Dimension

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



226, 207, 226



255, 230, 255



226, 207, 217



112, 101, 112



176, 0, 176



48, 0, 48



# Inverse Universe

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



226, 207, 226



255, 230, 255



207, 219, 226



112, 101, 112



176, 0, 176

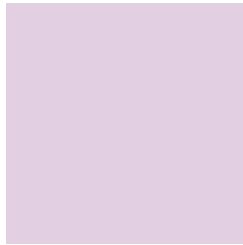


48, 0, 48



# Previews

## White Background



This preview shows how the RYB color 226, 207, 226 looks on a white background.

## Color Contrast Check

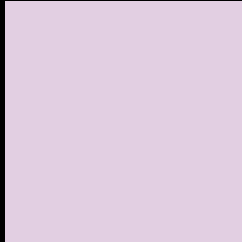
Large Text (above 18pt) WCAG AA × Fail

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 226, 207, 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

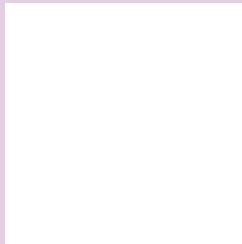
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## R Y B 226, 207, 226 Background



This preview shows how black text looks on a background with the R Y B color 226, 207, 226.

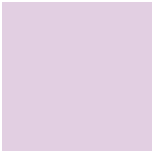



This preview shows how white text looks on a background with the R Y B color 226, 207, 226.

# 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> <a href="#">226, 207, 226</a>
	<b>Protanopia</b> <a href="#">212, 211, 229</a>
	<b>Deuteranopia</b> <a href="#">227, 207, 226</a>



**Tritanopia**  
226, 207, 224

# Trichromacy



## Original Color

226, 207, 226

## Protanomaly

217, 210, 228

## Deuteranomaly

227, 207, 226

## Tritanomaly

226, 207, 225

# Monochromacy



## Original Color

226, 207, 226

## Achromatopsia

215, 215, 215

## Achromatomaly

219, 212, 219

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 226, 207, 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(226, 207, 226)` looks like.

```
.text, #text, p{  
    color:rgb(226, 207, 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(226, 207, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 207, 226) }
```

## Border

The CSS property to change the border of an element to RYB 226, 207, 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(226, 207, 226) }
```

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

```
.border{ border-color:rgb(226, 207, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 207, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 207, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 207, 226);  
box-shadow:4px 4px 4px 4px rgb(226, 207,  
226) }
```

# Background

The CSS property to change the background color of an element to RYB 226, 207, 226 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 207, 226) }
```

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

```
.background{ background-color: rgb(226,  
207, 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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