

Converting Colors

`RYB(237, 228, 251)`

Have a look what the booklet for
RYB(237, 228, 251) contains.

RYB(237, 228, 251)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

R_YB(237, 228, 251)

Conversions

Conversions Part 1

Format	Color
Hex	EDE4FB
RGB	237, 228, 251
RGB Percent	93%, 89%, 98%
CMY	0.0706, 0.1059, 0.0157
CMYK	0.06, 0.09, 0.00, 0.02
HSL	263°, 74%, 94%
HSV	263°, 9%, 98%
XYZ	80.0810, 80.4564, 102.5757
YIQ	233.3130, -2.0190, 9.0610

Conversions

Conversions Part 2

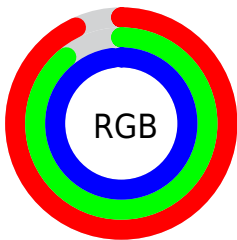
Format	Color
R _Y B	237, 228, 251
Decimal	15590651
CIE Lab	91.89, 7.20, -10.05
CIE LCh	92, 12.362, 305.650
Yxy	80.4564, 0.3044, 0.3058
Android (android.graphics.Color)	4293780731 (0xFFE4FB)
YUV	233.3130, 8.7197, 3.2335
Hunter-Lab	89.6975, 2.3925, -5.0143

Details

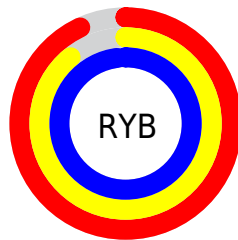
The RYB color **237, 228, 251** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **228, 251, 237**, and the grayscale version is **233, 233, 233**.

A 20% lighter version of the original color is 255, 255, 255, and **181, 173, 194** is the 20% darker color. If you saturate the color by 10%, you get **222, 203, 251**, and if you desaturate by 10%, it is 251, 253, 252.

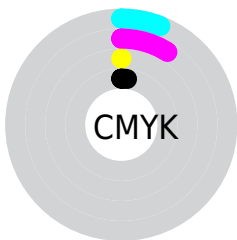
Distribution



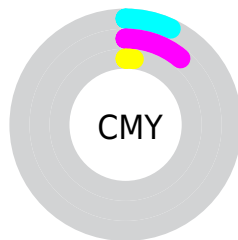
- Red (93%)
- Green (89%)
- Blue (98%)



- Red (93%)
- Yellow (89%)
- Blue (98%)



- Cyan (6%)
- Magenta (9%)
- Yellow (0%)
- Black (2%)



- Cyan (7%)
- Magenta (11%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the RYB color 237, 228, 251 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 237, 228, 251 by changing the saturation by 10% instead.

■ 237, 228, 251

255, 255, 255

■ 237, 228, 251

■ 209, 200, 222

■ 181, 173, 194

■ 154, 146, 167

■ 128, 120, 141

■ 103, 96, 115

■ 79, 72, 91

■ 56, 49, 67

■ 34, 28, 45

■ 14, 2, 25

237, 228, 251

237, 228, 251

222, 203, 251

251, 253, 252

206, 178, 251

251, 255, 251

191, 153, 251

176, 128, 251

161, 103, 251

145, 77, 251

130, 52, 251

115, 27, 251

99, 2, 251

Harmonies

Analogous

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



222, 230, 255



237, 228, 251



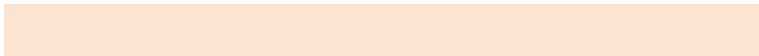
250, 225, 242

Triad

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



237, 228, 251



251, 242, 210



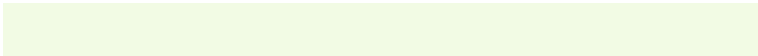
204, 223, 239

Complementary

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



237, 228, 251



228, 251, 237

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.



213, 231, 238



237, 228, 251



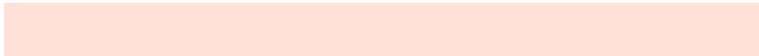
217, 239, 208

Square

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



237, 228, 251



255, 227, 218



212, 235, 221



203, 222, 245

Rectangle

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



237, 228, 251



255, 224, 234



212, 235, 221



206, 225, 239

Sweetspot

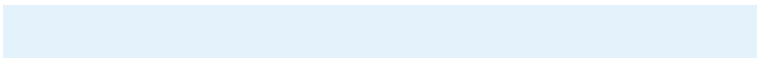
The Sweet Spot groups the original color and five complimentary colors.



237, 228, 251



250, 247, 255



228, 237, 251



124, 122, 128



0, 0, 0



128, 128, 128

Same Dimension

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



237, 228, 251



238, 227, 255



248, 228, 251



117, 112, 125



74, 0, 189



24, 0, 61

Inverse Universe

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



251, 228, 242



255, 227, 244



228, 251, 248



125, 112, 120



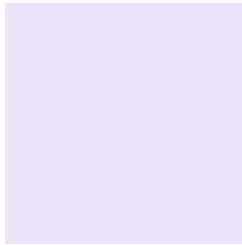
189, 0, 115



61, 0, 37

Previews

White Background



This preview shows how the RYB color 237, 228, 251 looks on a white background.

Color Contrast Check

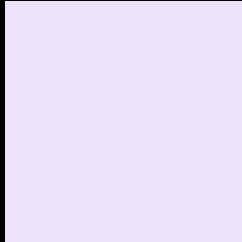
Large Text (above 18pt) WCAG AA × Fail

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 237, 228, 251 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

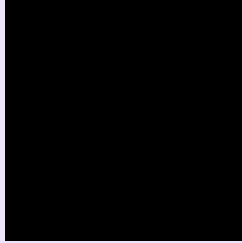
Any Text WCAG AA ✓ Pass

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 237, 228, 251 Background



This preview shows how black text looks on a background with the RYB color 237, 228, 251.

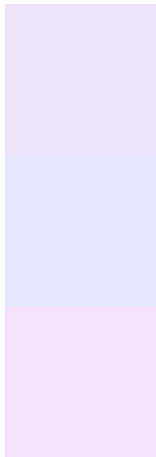


This preview shows how white text looks on a background with the RYB color 237, 228, 251.

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
237, 228, 251

Protanopia
230, 230, 252

Deuteranopia
245, 225, 252



Tritanopia

236, 229, 247

Trichromacy



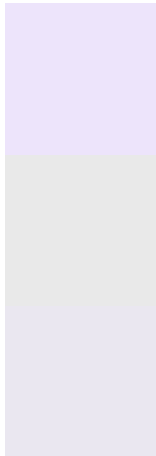
Original Color
237, 228, 251

Protanomaly
233, 229, 252

Deuteranomaly
242, 226, 252

Tritanomaly
236, 229, 248

Monochromacy



Original Color
237, 228, 251

Achromatopsia
233, 233, 233

Achromatomaly
234, 231, 240

CSS Examples

Text

The CSS property to change the color of the text to RYB 237, 228, 251 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(237, 228, 251) looks like.

```
.text, #text, p{  
    color:rgb(237, 228, 251)  
}
```

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(237, 228, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 228, 251) }
```

Border

The CSS property to change the border of an element to RYB 237, 228, 251 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(237, 228, 251) }
```

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

```
.border{ border-color:rgb(237, 228, 251) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 228, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 228, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 228, 251);  
box-shadow:4px 4px 4px 4px rgb(237, 228,  
251) }
```

Background

The CSS property to change the background color of an element to RYB 237, 228, 251 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 228, 251) }
```

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

```
.background{ background-color: rgb(237,  
228, 251) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor