

Converting Colors

`RYB(227, 209, 233)`

Have a look what the booklet for
RYB(227, 209, 233) contains.

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Color

R_YB(227, 209, 233)

Conversions

Conversions Part 1

Format	Color
Hex	E3D1E9
RGB	227, 209, 233
RGB Percent	89%, 82%, 91%
CMY	0.1098, 0.1804, 0.0863
CMYK	0.03, 0.10, 0.00, 0.09
HSL	285°, 35%, 87%
HSV	285°, 10%, 91%
XYZ	69.1870, 67.8150, 86.5339
YIQ	217.1180, 3.0240, 11.2800

Conversions

Conversions Part 2

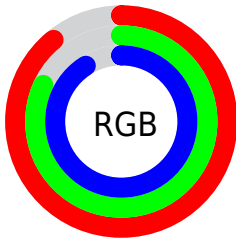
Format	Color
R _Y B	227, 209, 233
Decimal	14930409
CIE Lab	85.91, 10.49, -9.54
CIE LCh	86, 14.184, 317.721
Yxy	67.8150, 0.3095, 0.3034
Android (android.graphics.Color)	4293120489 (0xFFE3D1E9)
YUV	217.1180, 7.8298, 8.6665
Hunter-Lab	82.3499, 5.8561, -4.6575

Details

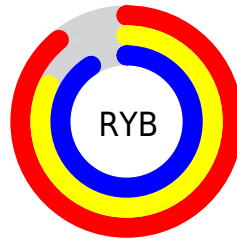
The RYB color `227, 209, 233` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `209, 233, 227`, and the grayscale version is `217, 217, 217`.

A 20% lighter version of the original color is `255, 255, 255`, and `172, 155, 177` is the 20% darker color. If you saturate the color by 10%, you get `221, 186, 233`, and if you desaturate by 10%, it is `233, 232, 233`.

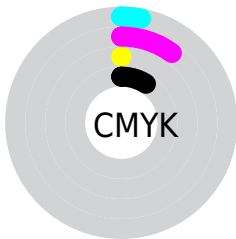
Distribution



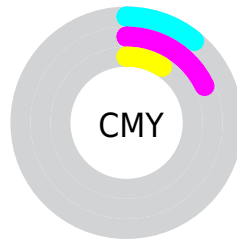
- Red (89%)
- Green (82%)
- Blue (91%)



- Red (89%)
- Yellow (82%)
- Blue (91%)



- Cyan (3%)
- Magenta (10%)
- Yellow (0%)
- Black (9%)



- Cyan (11%)
- Magenta (18%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the RYB color 227, 209, 233 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 227, 209, 233 by changing the saturation by 10% instead.

■ 227, 209, 233

255, 255, 255

■ 227, 209, 233

■ 199, 181, 205

■ 172, 155, 177

■ 145, 129, 151

■ 119, 103, 125

■ 94, 79, 100

■ 71, 56, 76


■ 48, 35, 53

■ 27, 14, 32

■ 0, 0, 6

 227, 209, 233


 227, 209, 233

 221, 186, 233


 233, 232, 233

 215, 162, 233

 233, 255, 249

 210, 139, 233


 233, 255, 244

 204, 116, 233


 233, 255, 238

 198, 93, 233

 233, 255, 233

 192, 69, 233

 186, 46, 233

 180, 23, 233

 175, 0, 233

Harmonies

Analogous

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



211, 213, 240



227, 209, 233



239, 206, 221

Triad

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



227, 209, 233



224, 231, 189



181, 202, 223

Complementary

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



227, 209, 233



209, 233, 227

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, 209, 222



227, 209, 233



190, 217, 189

Square

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



227, 209, 233



241, 213, 195



196, 220, 214



183, 205, 234

Rectangle

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



227, 209, 233



243, 206, 212



196, 220, 214



183, 204, 223

Sweetspot

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



227, 209, 233



253, 247, 255



209, 214, 233



126, 122, 128



0, 0, 0



128, 128, 128

Same Dimension

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



227, 209, 233



247, 224, 255



233, 209, 227



114, 106, 117



136, 0, 181



40, 0, 54

Inverse Universe

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



233, 209, 215



255, 224, 232



209, 228, 233



117, 106, 109



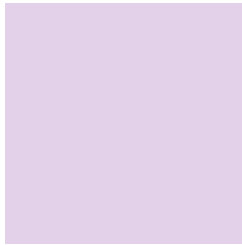
181, 0, 45



54, 0, 13

Previews

White Background



This preview shows how the RYB color 227, 209, 233 looks on a white background.

Color Contrast Check

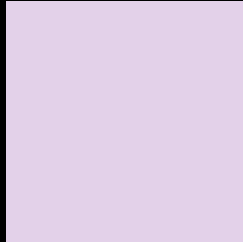
Large Text (above 18pt) WCAG AA × Fail

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 227, 209, 233 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

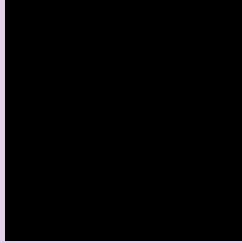
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

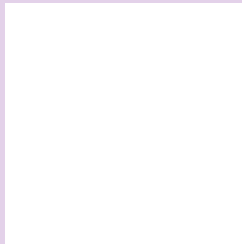
Any Text WCAG AAA ✓ Pass

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

RYB 227, 209, 233 Background



This preview shows how black text looks on a background with the RYB color 227, 209, 233.



This preview shows how white text looks on a background with the RYB color 227, 209, 233.

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
227, 209, 233

Protanopia
213, 213, 236

Deuteranopia
227, 209, 233



Tritanopia
226, 210, 227

Trichromacy



Original Color

227, 209, 233

Protanomaly

218, 212, 235

Deuteranomaly

227, 209, 233

Tritanomaly

226, 210, 229

Monochromacy



Original Color

227, 209, 233

Achromatopsia

217, 217, 217

Achromatomaly

221, 214, 223

CSS Examples

Text

The CSS property to change the color of the text to RYB 227, 209, 233 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(227, 209, 233)` looks like.

```
.text, #text, p{  
    color:rgb(227, 209, 233)  
}
```

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(227, 209, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 209, 233) }
```

Border

The CSS property to change the border of an element to RYB 227, 209, 233 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(227, 209, 233) }
```

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

```
.border{ border-color:rgb(227, 209, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 209, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 209, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 209, 233);  
box-shadow:4px 4px 4px 4px rgb(227, 209,  
233) }
```

Background

The CSS property to change the background color of an element to RYB 227, 209, 233 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 209, 233) }
```

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

```
.background{ background-color: rgb(227,  
209, 233) }
```

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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