

Converting Colors

`RYB(231, 213, 240)`

Have a look what the booklet for
RYB(231, 213, 240) contains.

RYB(231, 213, 240)	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(231, 213, 240)

Conversions

Conversions Part 1

Format	Color
Hex	E7D5F0
RGB	231, 213, 240
RGB Percent	91%, 84%, 94%
CMY	0.0941, 0.1647, 0.0588
CMYK	0.04, 0.11, 0.00, 0.06
HSL	280°, 47%, 89%
HSV	280°, 11%, 94%
XYZ	72.4774, 70.8687, 92.2971
YIQ	221.4600, 2.0610, 12.2130

Conversions

Conversions Part 2

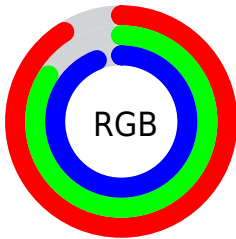
Format	Color
R_{YB}	231, 213, 240
Decimal	15193584
CIE _{Lab}	87.42, 11.02, -10.97
CIE _{LCh}	87, 15.546, 315.129
Yxy	70.8687, 0.3076, 0.3007
Android (android.graphics.Color)	4293383664 (0xFFE7D5F0)
YUV	221.4600, 9.1402, 8.3666
Hunter-Lab	84.1835, 6.3575, -6.0759

Details

The RYB color **231, 213, 240** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **213, 240, 231**, and the grayscale version is **221, 221, 221**.

A 20% lighter version of the original color is **255, 255, 255**, and **175, 158, 184** is the 20% darker color. If you saturate the color by 10%, you get **223, 189, 240**, and if you desaturate by 10%, it is **239, 237, 240**.

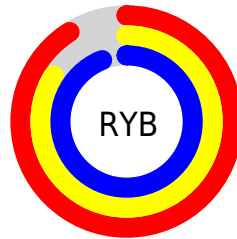
Distribution



Red (91%)

Green (84%)

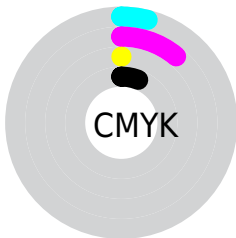
Blue (94%)



Red (91%)

Yellow (84%)

Blue (94%)

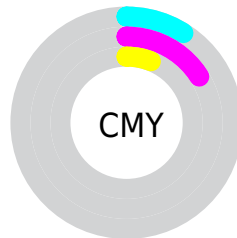


Cyan (4%)

Magenta (11%)

Yellow (0%)

Black (6%)



Cyan (9%)

Magenta (16%)

Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the RYB color 231, 213, 240 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 231, 213, 240 by changing the saturation by 10% instead.

■ 231, 213, 240

255, 255, 255

■ 231, 213, 240

■ 203, 185, 212

■ 175, 158, 184

■ 149, 132, 157

■ 123, 107, 131

■ 98, 83, 106

■ 74, 60, 82


■ 51, 38, 59

■ 30, 18, 37

■ 0, 1, 15

 231, 213, 240


 231, 213, 240

 223, 189, 240

 239, 237, 240


 215, 165, 240


 240, 255, 248

 207, 141, 240

 240, 255, 240

 199, 117, 240

 191, 93, 240

 183, 69, 240

 175, 45, 240

 167, 21, 240

 160, 0, 240

Harmonies

Analogous

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



213, 217, 247



231, 213, 240



245, 210, 227

Triad

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



231, 213, 240



232, 238, 191



182, 206, 228

Complementary

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



231, 213, 240



213, 240, 231

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.



191, 214, 227



231, 213, 240



194, 223, 191

Square

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



231, 213, 240



248, 215, 199



198, 225, 217



183, 207, 239

Rectangle

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



231, 213, 240



250, 209, 217



198, 225, 217



184, 208, 228

Sweetspot

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



231, 213, 240



252, 247, 255



213, 220, 240



126, 122, 128



0, 0, 0



128, 128, 128

Same Dimension

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



231, 213, 240



243, 219, 255



240, 213, 235



116, 108, 120



122, 0, 184



37, 0, 56

Inverse Universe

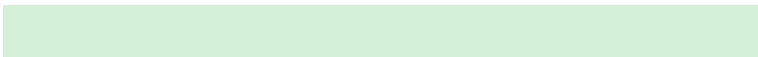
The Inverse Universe completely reimagines the original color for something new.



240, 213, 222



255, 219, 231



213, 237, 240



120, 108, 112



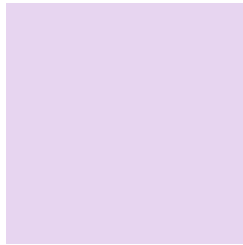
184, 0, 61



56, 0, 19

Previews

White Background



This preview shows how the RYB color 231, 213, 240 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 231, 213, 240 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

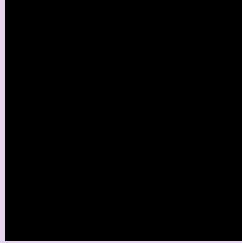
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

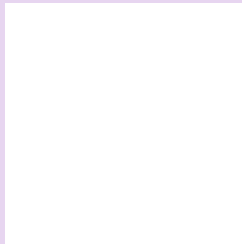
Any Text WCAG AAA ✓ Pass

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

RYB 231, 213, 240 Background



This preview shows how black text looks on a background with the RYB color 231, 213, 240.



This preview shows how white text looks on a background with the RYB color 231, 213, 240.

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
231, 213, 240

Protanopia
216, 218, 243

Deuteranopia
231, 213, 240



Tritanopia
230, 214, 231

Trichromacy



Original Color
231, 213, 240

Protanomaly
221, 216, 242

Deuteranomaly
231, 213, 240

Tritanomaly
230, 214, 234

Monochromacy



Original Color
231, 213, 240

Achromatopsia
221, 221, 221

Achromatomaly
225, 218, 228

CSS Examples

Text

The CSS property to change the color of the text to RYB 231, 213, 240 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(231, 213, 240) looks like.

```
.text, #text, p{  
    color:rgb(231, 213, 240)  
}
```

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(231, 213, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 213, 240) }
```

Border

The CSS property to change the border of an element to RYB 231, 213, 240 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(231, 213, 240) }
```

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

```
.border{ border-color:rgb(231, 213, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 213, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 213, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 213, 240);  
box-shadow:4px 4px 4px 4px rgb(231, 213,  
240) }
```

Background

The CSS property to change the background color of an element to RYB 231, 213, 240 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 213, 240) }
```

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

```
.background{ background-color: rgb(231,  
213, 240) }
```

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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