

Converting Colors

`RYB(231, 220, 239)`

Have a look what the booklet for RYB(231, 220, 239) contains.

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Color

R_YB(231, 220, 239)

Conversions

Conversions Part 1

Format	Color
Hex	E7DCEF
RGB	231, 220, 239
RGB Percent	91%, 86%, 94%
CMY	0.0941, 0.1373, 0.0627
CMYK	0.03, 0.08, 0.00, 0.06
HSL	275°, 37%, 90%
HSV	275°, 8%, 94%
XYZ	74.1282, 74.4073, 92.1164
YIQ	225.4550, 0.4570, 8.2410

Conversions

Conversions Part 2

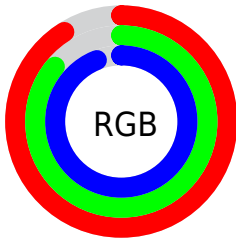
Format	Color
R _Y B	231, 220, 239
Decimal	15195375
CIE Lab	89.11, 7.16, -7.92
CIE LCh	89, 10.680, 312.099
Yxy	74.4073, 0.3080, 0.3092
Android (android.graphics.Color)	4293385455 (0xFFE7DCEF)
YUV	225.4550, 6.6777, 4.8630
Hunter-Lab	86.2597, 2.4415, -2.9338

Details

The RYB color **231, 220, 239** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **220, 239, 231**, and the grayscale version is **225, 225, 225**.

A 20% lighter version of the original color is **255, 255, 255**, and **175, 165, 183** is the 20% darker color. If you saturate the color by 10%, you get **221, 196, 239**, and if you desaturate by 10%, it is **239, 244, 242**.

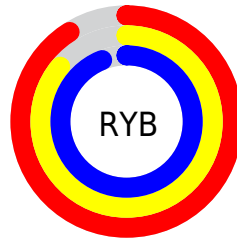
Distribution



Red (91%)

Green (86%)

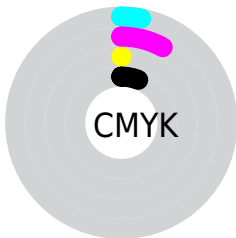
Blue (94%)



Red (91%)

Yellow (86%)

Blue (94%)

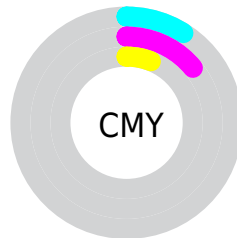


Cyan (3%)

Magenta (8%)

Yellow (0%)

Black (6%)



Cyan (9%)

Magenta (14%)

Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the RYB color 231, 220, 239 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, 220, 239 by changing the saturation by 10% instead.

■ 231, 220, 239

255, 255, 255

■ 231, 220, 239

■ 203, 192, 211

■ 175, 165, 183

■ 149, 139, 156

■ 123, 113, 130

■ 98, 89, 105

■ 74, 65, 81


■ 52, 43, 58

■ 30, 23, 36


■ 1, 0, 15

 231, 220, 239


 231, 220, 239

 221, 196, 239


 239, 244, 242


 211, 172, 239


 239, 255, 243


 201, 148, 239


 239, 255, 239

 191, 124, 239

 181, 101, 239

 171, 77, 239

 161, 53, 239

 150, 29, 239

 140, 5, 239

Harmonies

Analogous

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



218, 222, 244



231, 220, 239



241, 218, 230

Triad

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



231, 220, 239



238, 236, 205



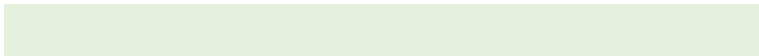
199, 215, 230

Complementary

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



231, 220, 239



220, 239, 231

Split Complementary

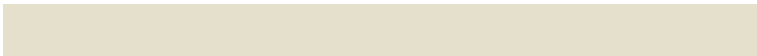
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



206, 222, 230



231, 220, 239



209, 228, 204

Square

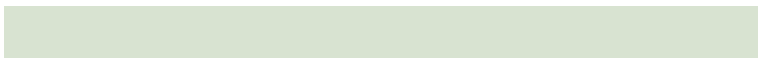
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



231, 220, 239



245, 220, 211



209, 227, 220



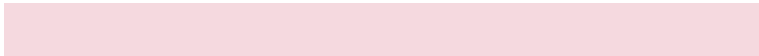
200, 216, 237

Rectangle

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



231, 220, 239



245, 217, 223



209, 227, 220



201, 217, 230

Sweetspot

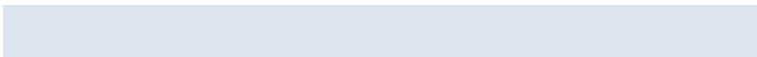
The Sweet Spot groups the original color and five complimentary colors.



231, 220, 239



253, 250, 255



220, 226, 239



126, 125, 128



0, 0, 0



128, 128, 128

Same Dimension

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



231, 220, 239



244, 230, 255



239, 220, 238



115, 108, 120



106, 0, 184



32, 0, 56

Inverse Universe

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



239, 220, 228



255, 230, 240



220, 238, 239



120, 108, 113



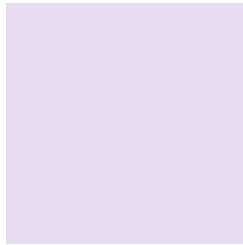
184, 0, 77



56, 0, 24

Previews

White Background



This preview shows how the RYB color 231, 220, 239 looks on a white background.

Color Contrast Check

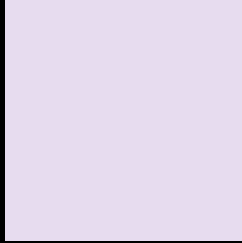
Large Text (above 18pt) WCAG AA × Fail

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, 220, 239 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

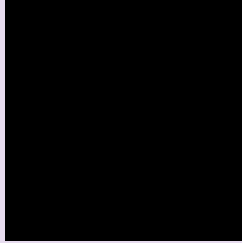
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

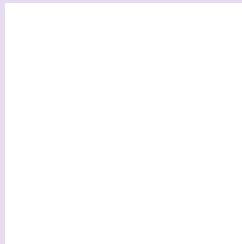
Any Text WCAG AAA ✓ Pass

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

R/Y/B 231, 220, 239 Background



This preview shows how black text looks on a background with the RYB color 231, 220, 239.



This preview shows how white text looks on a background with the RYB color 231, 220, 239.

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, 220, 239

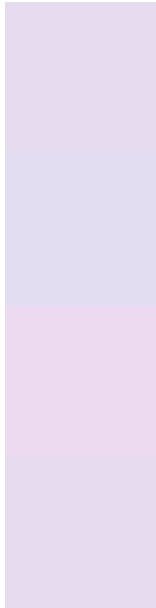
Protanopia
223, 222, 240

Deuteranopia
238, 217, 240



Tritanopia
231, 220, 238

Trichromacy



Original Color

231, 220, 239

Protanomaly

226, 221, 240

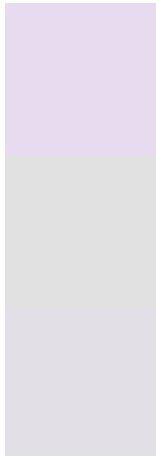
Deuteranomaly

235, 218, 240

Tritanomaly

231, 220, 238

Monochromacy



Original Color

231, 220, 239

Achromatopsia

225, 225, 225

Achromatomaly

227, 223, 230

CSS Examples

Text

The CSS property to change the color of the text to RYB 231, 220, 239 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, 220, 239)` looks like.

```
.text, #text, p{  
    color:rgb(231, 220, 239)  
}
```

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, 220, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 220, 239) }
```

Border

The CSS property to change the border of an element to RYB 231, 220, 239 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, 220, 239) }
```

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

```
.border{ border-color:rgb(231, 220, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 220, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(231, 220, 239); -webkit-box-shadow:4px 4px 4px 4px rgb(231, 220, 239); box-shadow:4px 4px 4px 4px rgb(231, 220, 239) }
```

Background

The CSS property to change the background color of an element to RYB 231, 220, 239 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 220, 239) }
```

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

```
.background{ background-color: rgb(231,  
220, 239) }
```

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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