

Converting Colors

`RYB(222, 219, 230)`

Have a look what the booklet for
RYB(222, 219, 230) contains.

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Color

RYB(222, 219, 230)

Conversions

Conversions Part 1

Format	Color
Hex	DEDBE6
RGB	222, 219, 230
RGB Percent	87%, 86%, 90%
CMY	0.1294, 0.1412, 0.0980
CMYK	0.03, 0.05, 0.00, 0.10
HSL	256°, 18%, 88%
HSV	256°, 5%, 90%
XYZ	69.7386, 71.9058, 85.0665
YIQ	221.1510, -1.7430, 4.0570

Conversions

Conversions Part 2

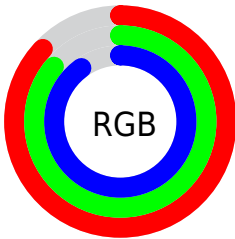
Format	Color
R _Y B	222, 219, 230
Decimal	14605286
CIE Lab	87.92, 3.03, -5.02
CIE LCh	88, 5.865, 301.055
Yxy	71.9058, 0.3076, 0.3172
Android (android.graphics.Color)	4292795366 (0xFFDEDBE6)
YUV	221.1510, 4.3626, 0.7446
Hunter-Lab	84.7973, -1.5940, -0.1201

Details

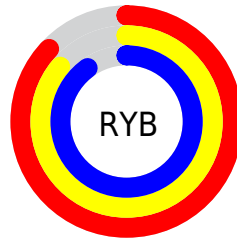
The RYB color **222, 219, 230** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **219, 230, 222**, and the grayscale version is **221, 221, 221**.

A 20% lighter version of the original color is **255, 255, 255**, and **167, 164, 175** is the 20% darker color. If you saturate the color by 10%, you get **205, 196, 230**, and if you desaturate by 10%, it is **230, 242, 233**.

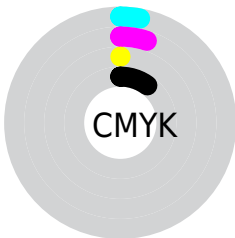
Distribution



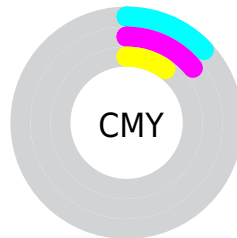
- Red (87%)
- Green (86%)
- Blue (90%)



- Red (87%)
- Yellow (86%)
- Blue (90%)



- Cyan (3%)
- Magenta (5%)
- Yellow (0%)
- Black (10%)



- Cyan (13%)
- Magenta (14%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the RYB color 222, 219, 230 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 222, 219, 230 by changing the saturation by 10% instead.

■ 222, 219, 230

255, 255, 255

■ 222, 219, 230

■ 194, 191, 202

■ 167, 164, 175

■ 141, 138, 148

■ 115, 112, 122

■ 90, 88, 97

■ 67, 65, 74


■ 45, 43, 51

■ 24, 22, 30


■ 0, 0, 4

 222, 219, 230


 222, 219, 230


 205, 196, 230


 230, 242, 233

 189, 173, 230


 230, 255, 230

 172, 150, 230


 155, 127, 230

 138, 104, 230

 122, 81, 230

 105, 58, 230

 88, 35, 230

 71, 12, 230

Harmonies

Analogous

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



215, 219, 231



222, 219, 230



228, 218, 226

Triad

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



222, 219, 230



230, 222, 211



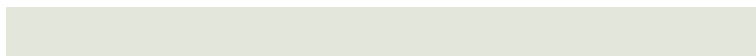
208, 217, 224

Complementary

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



222, 219, 230



219, 230, 222

Split Complementary

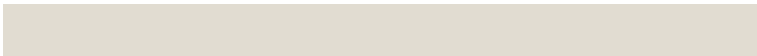
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



213, 221, 223



222, 219, 230



216, 225, 209

Square

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



222, 219, 230



233, 217, 215



211, 222, 214



207, 216, 226

Rectangle

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



222, 219, 230



231, 217, 222



211, 222, 214



209, 218, 224

Sweetspot

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



222, 219, 230



253, 252, 255



219, 224, 230



127, 126, 128



0, 0, 0



128, 128, 128

Same Dimension

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



222, 219, 230



244, 240, 255



227, 219, 230



109, 107, 115



49, 0, 179



14, 0, 51

Inverse Universe

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



230, 219, 227



255, 240, 251



219, 230, 227



115, 107, 113



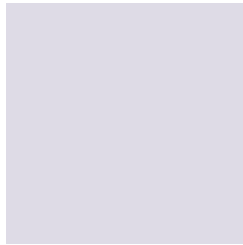
179, 0, 130



51, 0, 37

Previews

White Background



This preview shows how the RYB color 222, 219, 230 looks on a white background.

Color Contrast Check

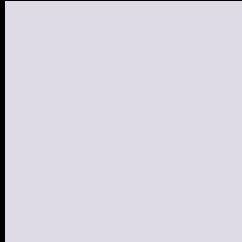
Large Text (above 18pt) WCAG AA × Fail

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 222, 219, 230 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

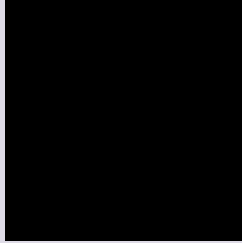
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

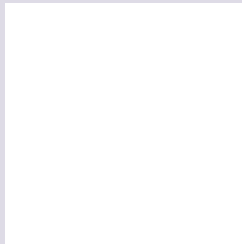
Any Text WCAG AAA ✓ Pass

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

RYB 222, 219, 230 Background



This preview shows how black text looks on a background with the RYB color 222, 219, 230.

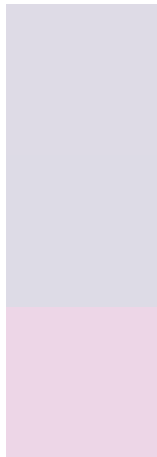


This preview shows how white text looks on a background with the RYB color 222, 219, 230.

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
222, 219, 230

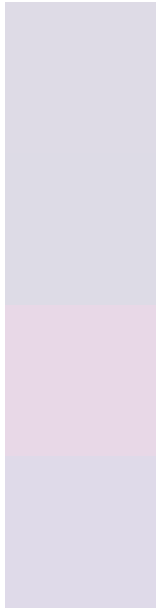
Protanopia
221, 219, 230

Deuteranopia
237, 214, 231



Tritanopia
223, 218, 235

Trichromacy



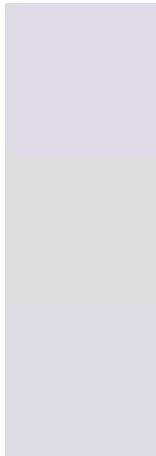
Original Color
222, 219, 230

Protanomaly
221, 219, 230

Deuteranomaly
232, 216, 231

Tritanomaly
223, 218, 233

Monochromacy



Original Color
222, 219, 230

Achromatopsia
221, 221, 221

Achromatomaly
221, 220, 224

CSS Examples

Text

The CSS property to change the color of the text to RYB 222, 219, 230 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(222, 219, 230) looks like.

```
.text, #text, p{  
    color:rgb(222, 219, 230)  
}
```

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(222, 219, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 219, 230) }
```

Border

The CSS property to change the border of an element to RYB 222, 219, 230 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(222, 219, 230) }
```

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

```
.border{ border-color:rgb(222, 219, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 219, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 219, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 219, 230);  
box-shadow:4px 4px 4px 4px rgb(222, 219,  
230) }
```

Background

The CSS property to change the background color of an element to RYB 222, 219, 230 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 219, 230) }
```

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

```
.background{ background-color: rgb(222,  
219, 230) }
```

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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