

Converting Colors

`RYB(221, 212, 220)`

Have a look what the booklet for
RYB(221, 212, 220) contains.

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Color

R_YB(221, 212, 220)

Conversions

Conversions Part 1

Format	Color
Hex	DDD4DC
RGB	221, 212, 220
RGB Percent	87%, 83%, 86%
CMY	0.1333, 0.1686, 0.1373
CMYK	0.00, 0.04, 0.00, 0.13
HSL	307°, 12%, 85%
HSV	307°, 4%, 87%
XYZ	66.2805, 67.6264, 77.2700
YIQ	215.6030, 2.7960, 4.3960

Conversions

Conversions Part 2

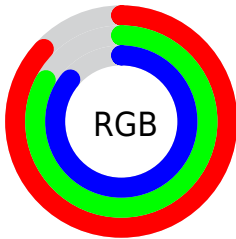
Format	Color
R _Y B	221, 212, 220
Decimal	14537948
CIE Lab	85.82, 4.51, -2.84
CIE LCh	86, 5.335, 327.790
Yxy	67.6264, 0.3139, 0.3202
Android (android.graphics.Color)	4292728028 (0xFFDDD4DC)
YUV	215.6030, 2.1677, 4.7332
Hunter-Lab	82.2353, -0.0431, 1.8546

Details

The RYB color **221, 212, 220** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **212, 220, 221**, and the grayscale version is **216, 216, 216**.

A 20% lighter version of the original color is **255, 255, 255**, and **166, 157, 165** is the 20% darker color. If you saturate the color by 10%, you get **221, 190, 218**, and if you desaturate by 10%, it is **221, 233, 234**.

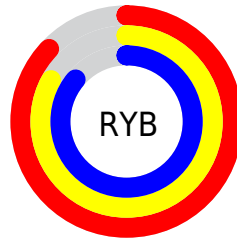
Distribution



Red (87%)

Green (83%)

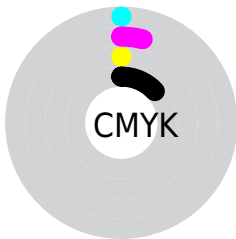
Blue (86%)



Red (87%)

Yellow (83%)

Blue (86%)

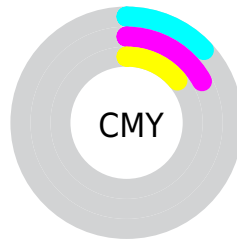


Cyan (0%)

Magenta (4%)

Yellow (0%)

Black (13%)



Cyan (13%)

Magenta (17%)

Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the RYB color 221, 212, 220 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 221, 212, 220 by changing the saturation by 10% instead.

■ 221, 212, 220

255, 255, 255

■ 221, 212, 220

■ 193, 184, 192

■ 166, 157, 165

■ 140, 131, 139

■ 114, 106, 113

■ 90, 82, 89

■ 66, 59, 66


■ 44, 37, 43


■ 24, 17, 23


■ 0, 0, 0


 221, 212, 220


 221, 212, 220

 221, 190, 218


 221, 233, 234


 221, 168, 215


 221, 251, 255


 221, 146, 213


 221, 250, 255

 221, 124, 210


 221, 248, 255

 221, 102, 208


 221, 247, 255

 221, 79, 205


 221, 245, 255

 221, 57, 203

 221, 244, 255

 221, 35, 200

 221, 243, 255

 221, 13, 198

 221, 242, 255

Harmonies

Analogous

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



215, 213, 223



221, 212, 220



225, 211, 215

Triad

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



221, 212, 220



213, 219, 205



203, 211, 219

Complementary

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



221, 212, 220



212, 220, 221

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.



204, 212, 218



221, 212, 220



206, 216, 208

Square

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



221, 212, 220



224, 215, 206



208, 216, 217



204, 212, 223

Rectangle

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



221, 212, 220



226, 211, 212



208, 216, 217



203, 211, 218

Sweetspot

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



221, 212, 220



255, 252, 255



213, 212, 221



128, 126, 127



0, 0, 0



128, 128, 128

Same Dimension

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



221, 212, 220



255, 242, 254



221, 212, 216



110, 103, 109



173, 0, 154



46, 0, 41

Inverse Universe

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



221, 212, 220



255, 242, 254



212, 218, 221



110, 103, 109



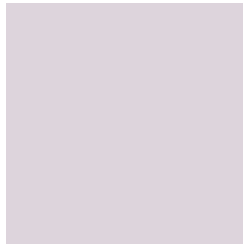
173, 0, 154



46, 0, 41

Previews

White Background



This preview shows how the RYB color 221, 212, 220 looks on a white background.

Color Contrast Check

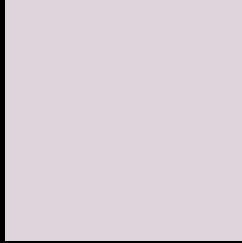
Large Text (above 18pt) WCAG AA × Fail

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 221, 212, 220 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

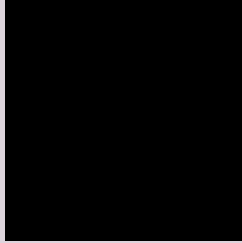
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

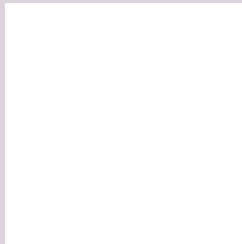
Any Text WCAG AAA ✓ Pass

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

RYB 221, 212, 220 Background



This preview shows how black text looks on a background with the RYB color 221, 212, 220.

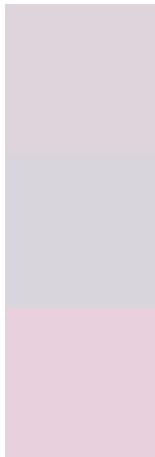


This preview shows how white text looks on a background with the RYB color 221, 212, 220.

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
221, 212, 220

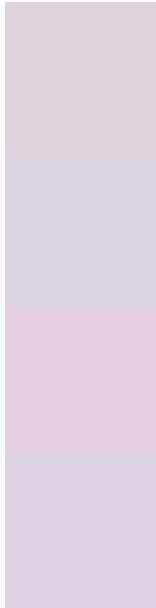
Protanopia
216, 213, 221

Deuteranopia
232, 208, 221



Tritanopia
222, 211, 227

Trichromacy



Original Color

221, 212, 220

Protanomaly

218, 213, 221

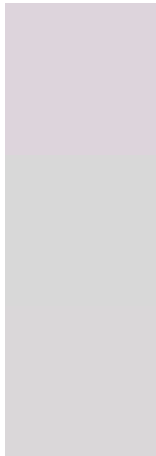
Deuteranomaly

228, 209, 221

Tritanomaly

222, 211, 224

Monochromacy



Original Color

221, 212, 220

Achromatopsia

216, 216, 216

Achromatomaly

218, 215, 217

CSS Examples

Text

The CSS property to change the color of the text to RYB 221, 212, 220 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(221, 212, 220) looks like.

```
.text, #text, p{  
    color:rgb(221, 212, 220)  
}
```

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(221, 212, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 212, 220) }
```

Border

The CSS property to change the border of an element to RYB 221, 212, 220 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(221, 212, 220) }
```

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

```
.border{ border-color:rgb(221, 212, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 212, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 212, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 212, 220);  
box-shadow:4px 4px 4px 4px rgb(221, 212,  
220) }
```

Background

The CSS property to change the background color of an element to RYB 221, 212, 220 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 212, 220) }
```

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

```
.background{ background-color: rgb(221,  
212, 220) }
```

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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