

Converting Colors

`RYB(220, 216, 222)`

Have a look what the booklet for
RYB(220, 216, 222) contains.

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Color

R_YB(220, 216, 222)

Conversions

Conversions Part 1

Format	Color
Hex	DCD8DE
RGB	220, 216, 222
RGB Percent	86%, 85%, 87%
CMY	0.1373, 0.1529, 0.1294
CMYK	0.01, 0.03, 0.00, 0.13
HSL	280°, 8%, 86%
HSV	280°, 3%, 87%
XYZ	67.2559, 69.6013, 78.9969
YIQ	217.8800, 0.4580, 2.7140

Conversions

Conversions Part 2

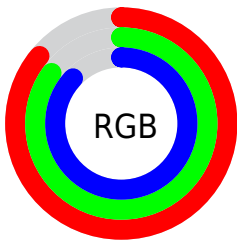
Format	Color
R _Y B	220, 216, 222
Decimal	14473438
CIE Lab	86.80, 2.45, -2.47
CIE LCh	87, 3.477, 314.727
Yxy	69.6013, 0.3116, 0.3224
Android (android.graphics.Color)	4292663518 (0xFFD8CD8DE)
YUV	217.8800, 2.0312, 1.8592
Hunter-Lab	83.4274, -2.0983, 2.2579

Details

The RYB color **220, 216, 222** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **216, 222, 220**, and the grayscale version is **218, 218, 218**.

A 20% lighter version of the original color is **255, 255, 255**, and **165, 161, 167** is the 20% darker color. If you saturate the color by 10%, you get **213, 194, 222**, and if you desaturate by 10%, it is **222, 238, 233**.

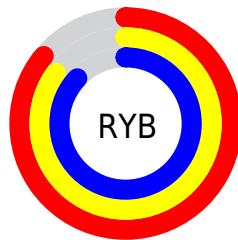
Distribution



Red (86%)

Green (85%)

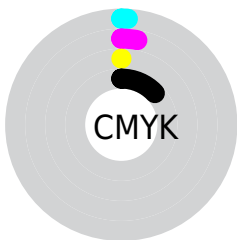
Blue (87%)



Red (86%)

Yellow (85%)

Blue (87%)

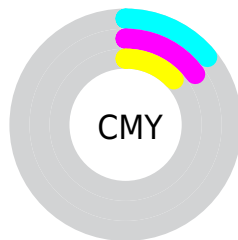


Cyan (1%)

Magenta (3%)

Yellow (0%)

Black (13%)



Cyan (14%)

Magenta (15%)

Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the RYB color 220, 216, 222 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 220, 216, 222 by changing the saturation by 10% instead.

■ 220, 216, 222

255, 255, 255

■ 220, 216, 222

■ 192, 188, 194

■ 165, 161, 167

■ 139, 135, 141

■ 113, 110, 115

■ 89, 85, 91

■ 65, 62, 67


■ 43, 40, 45

■ 23, 20, 24

■ 0, 0, 0

 220, 216, 222

 220, 216, 222

 213, 194, 222


 222, 238, 233

 205, 172, 222

 222, 255, 242

 198, 149, 222

 222, 255, 235


 190, 127, 222


 222, 255, 227


 183, 105, 222

 222, 255, 222

 176, 83, 222

 168, 61, 222

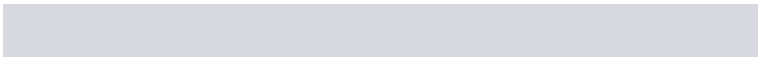
 161, 38, 222

 153, 16, 222

Harmonies

Analogous

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



216, 217, 224



220, 216, 222



223, 215, 219

Triad

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



220, 216, 222



220, 222, 211



210, 215, 219

Complementary

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



220, 216, 222



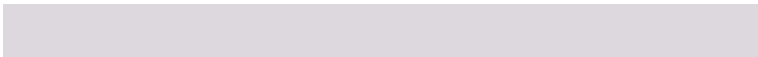
216, 222, 220

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.



211, 216, 219



220, 216, 222



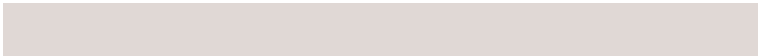
211, 218, 211

Square

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



220, 216, 222



224, 217, 213



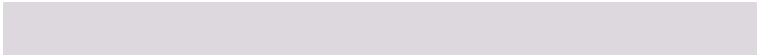
213, 219, 217



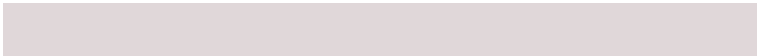
210, 215, 222

Rectangle

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



220, 216, 222



224, 215, 217



213, 219, 217



210, 215, 219

Sweetspot

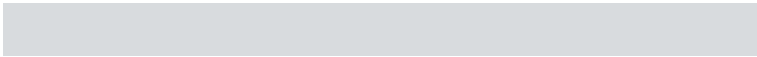
The Sweet Spot groups the original color and five complimentary colors.



220, 216, 222



254, 252, 255



216, 218, 222



127, 126, 128



0, 0, 0



128, 128, 128

Same Dimension

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



220, 216, 222



252, 247, 255



222, 216, 221



111, 108, 112



117, 0, 176



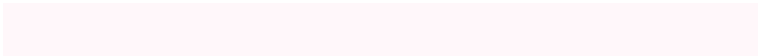
32, 0, 48

Inverse Universe

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



222, 216, 218



255, 247, 250



216, 221, 222



112, 108, 109



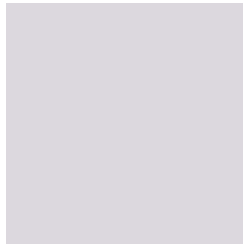
176, 0, 59



48, 0, 16

Previews

White Background



This preview shows how the RYB color 220, 216, 222 looks on a white background.

Color Contrast Check

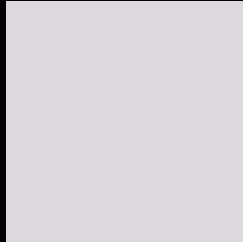
Large Text (above 18pt) WCAG AA × Fail

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 220, 216, 222 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

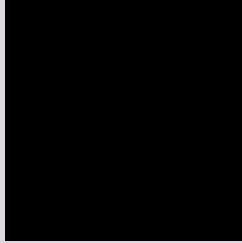
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

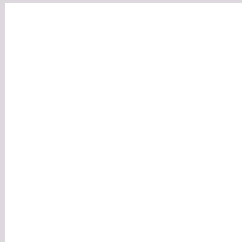
Any Text WCAG AAA ✓ Pass

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

RYB 220, 216, 222 Background



This preview shows how black text looks on a background with the RYB color 220, 216, 222.

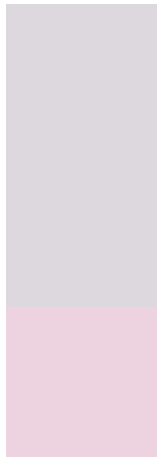


This preview shows how white text looks on a background with the RYB color 220, 216, 222.

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](#).

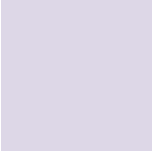
Dichromacy



Original Color
[220](#), [216](#), [222](#)

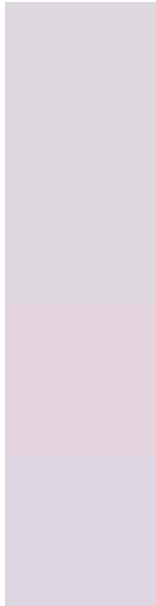
Protanopia
[220](#), [216](#), [222](#)

Deuteranopia
[236](#), [211](#), [223](#)



Tritanopia
221, 215, 231

Trichromacy



Original Color

220, 216, 222

Protanomaly

220, 216, 222

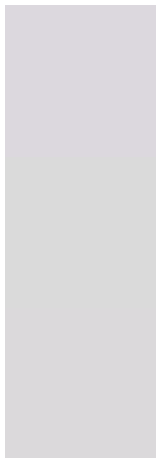
Deuteranomaly

230, 213, 223

Tritanomaly

221, 215, 228

Monochromacy



Original Color

220, 216, 222

Achromatopsia

218, 218, 218

Achromatomaly

219, 217, 219

CSS Examples

Text

The CSS property to change the color of the text to RYB 220, 216, 222 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(220, 216, 222) looks like.

```
.text, #text, p{  
    color:rgb(220, 216, 222)  
}
```

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(220, 216, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 216, 222) }
```

Border

The CSS property to change the border of an element to RYB 220, 216, 222 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(220, 216, 222) }
```

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

```
.border{ border-color:rgb(220, 216, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 216, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 216, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 216, 222);  
box-shadow:4px 4px 4px 4px rgb(220, 216,  
222) }
```

Background

The CSS property to change the background color of an element to RYB 220, 216, 222 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 216, 222) }
```

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

```
.background{ background-color: rgb(220,  
216, 222) }
```

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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