

Converting Colors

`RYB(222, 222, 220)`

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

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Color

$\text{RYB}(222, 222, 220)$

Conversions

Conversions Part 1

Format	Color
Hex	DEDDDC
RGB	222, 221, 220
RGB Percent	87%, 87%, 86%
CMY	0.1294, 0.1333, 0.1373
CMYK	0.00, 0.00, 0.01, 0.13
HSL	30°, 3%, 87%
HSV	30°, 1%, 87%
XYZ	68.8989, 72.4098, 78.0553
YIQ	221.1850, 0.9170, -0.0990

Conversions

Conversions Part 2

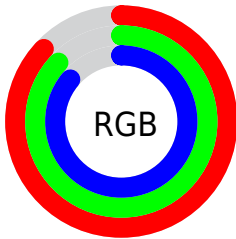
Format	Color
R _Y B	222, 222, 220
Decimal	14605788
CIE Lab	88.17, 0.16, 0.60
CIE LCh	88, 0.621, 74.672
Yxy	72.4098, 0.3141, 0.3301
Android (android.graphics.Color)	4292795868 (0xFFDEDDDC)
YUV	221.1850, -0.5842, 0.7148
Hunter-Lab	85.0940, -4.3864, 5.1800

Details

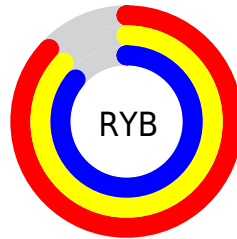
The RYB color **222, 222, 220** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **220, 221, 222**, and the grayscale version is **221, 221, 221**.

A 20% lighter version of the original color is **255, 255, 255**, and **167, 167, 165** is the 20% darker color. If you saturate the color by 10%, you get **222, 222, 198**, and if you desaturate by 10%, it is **222, 229, 242**.

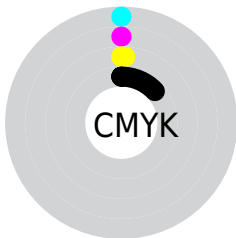
Distribution



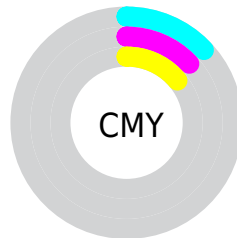
- Red (87%)
- Green (87%)
- Blue (86%)



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



- Cyan (0%)
- Magenta (0%)
- Yellow (1%)
- Black (13%)



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

Brightness & Saturation Gradients

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

■ 222, 222, 220

255, 255, 255

■ 222, 222, 220

■ 194, 194, 192

■ 167, 167, 165

■ 141, 141, 139

■ 115, 115, 113

■ 91, 91, 89

■ 67, 66, 66

■ 45, 45, 43

■ 23, 24, 23

■ 0, 0, 0

 222, 222, 220

 222, 222, 220

 222, 222, 198

 222, 229, 242

 222, 222, 176

 222, 235, 255

 220, 222, 153

 222, 238, 255

 220, 222, 131

 222, 239, 255

 220, 222, 109

 222, 220, 87

 222, 220, 65

 222, 222, 42

 222, 222, 20

Harmonies

Analogous

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



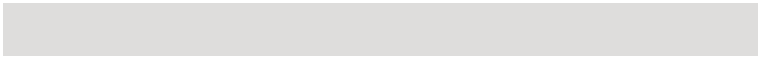
222, 222, 220



220, 221, 220

Triad

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



222, 222, 220



220, 221, 222



222, 221, 222

Complementary

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



222, 222, 220



220, 221, 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.



221, 221, 222



222, 222, 220



220, 221, 222

Square

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



222, 222, 220



220, 221, 221



220, 221, 222



222, 221, 221

Rectangle

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



222, 222, 220



220, 221, 220



220, 221, 222



221, 221, 222

Sweetspot

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



222, 222, 220

255, 255, 255



222, 220, 221



128, 128, 128



0, 0, 0

Same Dimension

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



222, 222, 220



254, 255, 252



220, 222, 220



111, 112, 111



176, 176, 0



48, 48, 0

Inverse Universe

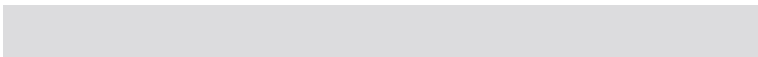
The Inverse Universe completely reimagines the original color for something new.



220, 221, 222



252, 253, 255



220, 220, 222



111, 112, 112



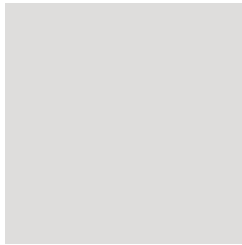
0, 59, 176



0, 16, 48

Previews

White Background



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

Color Contrast Check

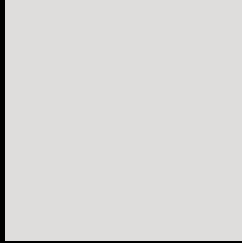
Large Text (above 18pt) WCAG AA × Fail

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 222, 222, 220 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

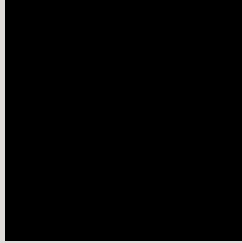
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

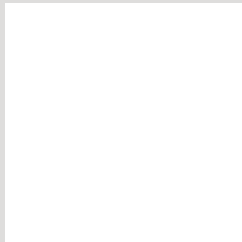
Any Text WCAG AAA ✓ Pass

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

R Y B 222, 222, 220 Background



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



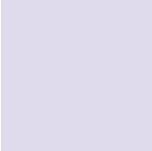
This preview shows how white text looks on a background with the RYB color 222, 222, 220.

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

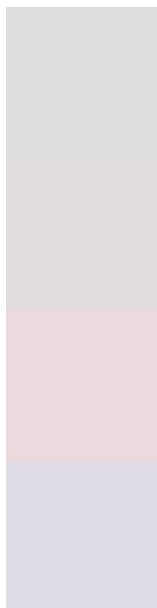
	Original Color 222, 222, 220
	Protanopia 225, 220, 219
	Deuteranopia 242, 214, 221



Tritanopia

224, 219, 236

Trichromacy



Original Color

222, 222, 220

Protanomaly

224, 220, 219

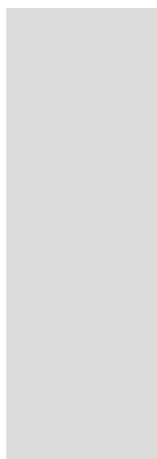
Deuteranomaly

235, 217, 221

Tritanomaly

223, 220, 230

Monochromacy



Original Color

222, 222, 220

Achromatopsia

221, 221, 221

Achromatomaly

221, 221, 221

CSS Examples

Text

The CSS property to change the color of the text to RYB 222, 222, 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(222, 221, 220)` looks like.

```
.text, #text, p{  
    color:rgb(222, 221, 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(222, 221, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 221, 220) }
```

Border

The CSS property to change the border of an element to RYB 222, 222, 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(222, 221, 220) }
```

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

```
.border{ border-color:rgb(222, 221, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 221, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 221, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 221, 220);  
box-shadow:4px 4px 4px 4px rgb(222, 221,  
220) }
```

Background

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

```
.background, #background, body{  
background: rgb(222, 221, 220) }
```

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

```
.background{ background-color: rgb(222,  
221, 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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