

Converting Colors

`RYB(224, 222, 222)`

Have a look what the booklet for
RYB(224, 222, 222) contains.

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Color

R_YB(224, 222, 222)

Conversions

Conversions Part 1

Format	Color
Hex	E0DEDE
RGB	224, 222, 222
RGB Percent	88%, 87%, 87%
CMY	0.1216, 0.1294, 0.1294
CMYK	0.00, 0.01, 0.01, 0.12
HSL	0°, 3%, 87%
HSV	0°, 1%, 88%
XYZ	70.0466, 73.3638, 79.5760
YIQ	222.5980, 1.1920, 0.4240

Conversions

Conversions Part 2

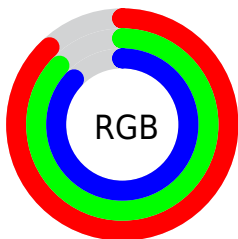
Format	Color
RYB	224, 222, 222
Decimal	14737118
CIELab	88.62, 0.68, 0.23
CIElCh	89, 0.719, 18.626
Yxy	73.3638, 0.3141, 0.3290
Android (android.graphics.Color)	4292927198 (0xFFE0DEDE)
YUV	222.5980, -0.2948, 1.2296
Hunter-Lab	85.6527, -3.9152, 4.8732

Details

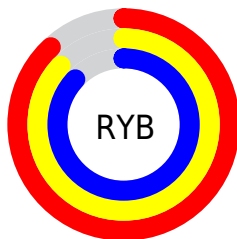
The RYB color **224, 222, 222** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **222, 223, 224**, and the grayscale version is **223, 223, 223**.

A 20% lighter version of the original color is **255, 255, 255**, and **169, 167, 167** is the 20% darker color. If you saturate the color by 10%, you get **224, 200, 200**, and if you desaturate by 10%, it is **224, 234, 244**.

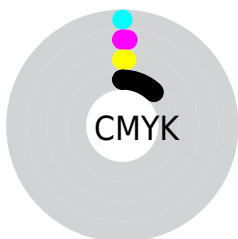
Distribution



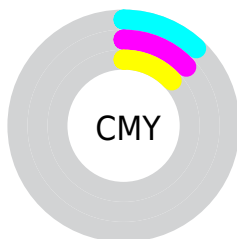
- Red (88%)
- Green (87%)
- Blue (87%)



- Red (88%)
- Yellow (87%)
- Blue (87%)



- Cyan (0%)
- Magenta (1%)
- Yellow (1%)
- Black (12%)



- Cyan (12%)
- Magenta (13%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the RYB color 224, 222, 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 224, 222, 222 by changing the saturation by 10% instead.

■ 224, 222, 222

255, 255, 255

■ 224, 222, 222

■ 196, 194, 194

■ 169, 167, 167

■ 142, 141, 141

■ 117, 115, 115

■ 92, 91, 91

■ 69, 67, 67

■ 47, 45, 45

■ 26, 24, 24


■ 0, 0, 0

 224, 222, 222


 224, 222, 222


 224, 200, 200


 224, 234, 244

 224, 177, 177

 224, 240, 255


 224, 155, 155


 224, 132, 132

 224, 110, 110

 224, 88, 88

 224, 65, 65

 224, 43, 43

 224, 20, 20

Harmonies

Analogous

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



224, 222, 223



224, 222, 222



224, 223, 221

Triad

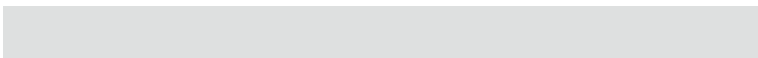
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



224, 222, 222



221, 223, 222



222, 223, 224

Complementary

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



224, 222, 222



222, 223, 224

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, 222, 223



224, 222, 222



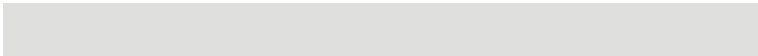
221, 222, 223

Square

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



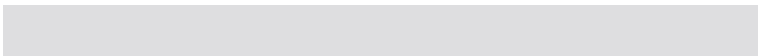
224, 222, 222



221, 223, 221



221, 222, 223



222, 222, 224

Rectangle

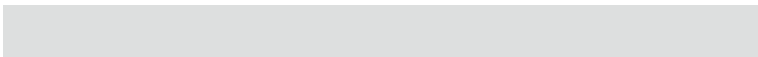
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



224, 222, 222



224, 223, 221



221, 222, 223



221, 222, 224

Sweetspot

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



224, 222, 222

255, 255, 255



224, 222, 224



128, 128, 128



0, 0, 0

Same Dimension

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



224, 222, 222



255, 252, 252



224, 224, 222



112, 111, 111



176, 0, 0



48, 0, 0

Inverse Universe

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



222, 223, 224



252, 254, 255



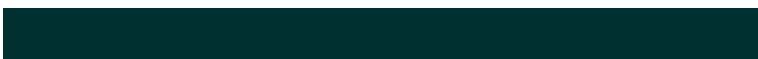
222, 223, 224



111, 112, 112



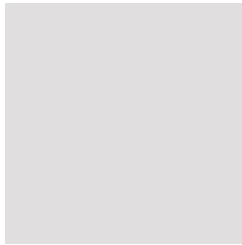
0, 88, 176



0, 24, 48

Previews

White Background



This preview shows how the RYB color 224, 222, 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 224, 222, 222 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

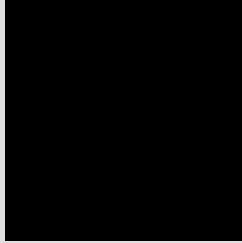
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

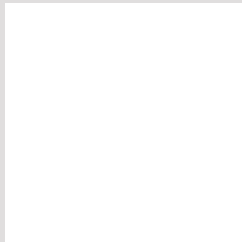
Any Text WCAG AAA ✓ Pass

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

RYB 224, 222, 222 Background



This preview shows how black text looks on a background with the RYB color 224, 222, 222.

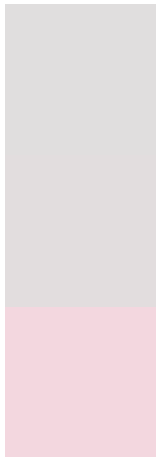


This preview shows how white text looks on a background with the RYB color 224, 222, 222.

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
224, 222, 222

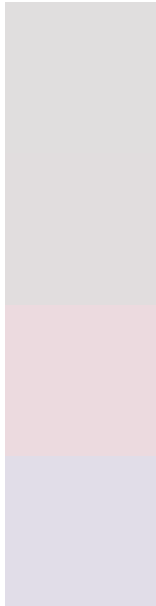
Protanopia
226, 221, 222

Deuteranopia
243, 215, 223



Tritanopia
226, 220, 237

Trichromacy



Original Color

224, 222, 222

Protanomaly

225, 221, 222

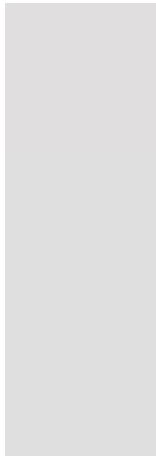
Deuteranomaly

236, 218, 223

Tritanomaly

225, 221, 232

Monochromacy



Original Color

224, 222, 222

Achromatopsia

223, 223, 223

Achromatomaly

223, 223, 223

CSS Examples

Text

The CSS property to change the color of the text to RYB 224, 222, 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(224, 222, 222)` looks like.

```
.text, #text, p{  
    color:rgb(224, 222, 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(224, 222, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 222, 222) }
```

Border

The CSS property to change the border of an element to RYB 224, 222, 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(224, 222, 222) }
```

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

```
.border{ border-color:rgb(224, 222, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 222, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 222, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 222, 222);  
box-shadow:4px 4px 4px 4px rgb(224, 222,  
222) }
```

Background

The CSS property to change the background color of an element to RGB 224, 222, 222 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 222, 222) }
```

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

```
.background{ background-color: rgb(224,  
222, 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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