

Converting Colors

`RYB(240, 222, 228)`

Have a look what the booklet for
RYB(240, 222, 228) contains.

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Color

R_YB(240, 222, 228)

Conversions

Conversions Part 1

Format	Color
Hex	F0DEE4
RGB	240, 222, 228
RGB Percent	94%, 87%, 89%
CMY	0.0588, 0.1294, 0.1059
CMYK	0.00, 0.07, 0.05, 0.06
HSL	340°, 37%, 91%
HSV	340°, 7%, 94%
XYZ	76.0600, 76.3693, 84.1307
YIQ	228.0660, 8.8020, 5.6820

Conversions

Conversions Part 2

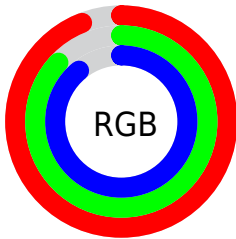
Format	Color
RYB	240, 222, 228
Decimal	15785700
CIELab	90.03, 7.18, -0.71
CIELCh	90, 7.212, 354.321
Yxy	76.3693, 0.3215, 0.3228
Android (android.graphics.Color)	4293975780 (0xFFFF0DEE4)
YUV	228.0660, -0.0325, 10.4661
Hunter-Lab	87.3895, 2.4271, 4.0936

Details

The RYB color **240, 222, 228** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **222, 233, 240**, and the grayscale version is **228, 228, 228**.

A 20% lighter version of the original color is **255, 255, 255**, and **184, 167, 173** is the 20% darker color. If you saturate the color by 10%, you get **240, 198, 212**, and if you desaturate by 10%, it is **240, 244, 246**.

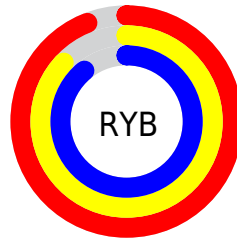
Distribution



Red (94%)

Green (87%)

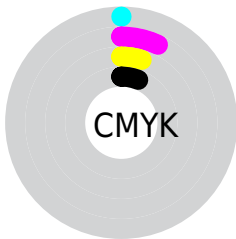
Blue (89%)



Red (94%)

Yellow (87%)

Blue (89%)

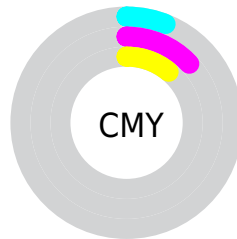


Cyan (0%)

Magenta (7%)

Yellow (5%)

Black (6%)



Cyan (6%)

Magenta (13%)

Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the RYB color 240, 222, 228 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 240, 222, 228 by changing the saturation by 10% instead.

 240, 222, 228


255, 255, 255

 240, 222, 228


 212, 194, 200


 184, 167, 173

 157, 141, 146

 131, 115, 120

 106, 90, 96

 81, 67, 72


 58, 45, 50

 37, 24, 29


 17, 0, 2

 240, 222, 228


 240, 222, 228


 240, 198, 212


 240, 244, 246


 240, 174, 196


 240, 248, 255


 240, 150, 180

 240, 126, 164

 240, 102, 148

 240, 78, 132

 240, 54, 116

 240, 30, 100

 240, 6, 84

Harmonies

Analogous

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



234, 223, 235



240, 222, 228



242, 222, 221

Triad

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



240, 222, 228



214, 228, 216



212, 222, 237

Complementary

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



240, 222, 228



222, 233, 240

Split Complementary

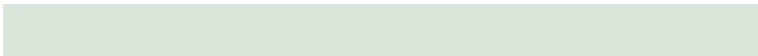
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



210, 221, 232



240, 222, 228



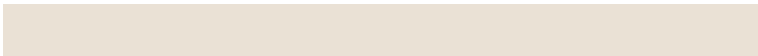
218, 230, 230

Square

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



240, 222, 228



229, 234, 213



212, 223, 231



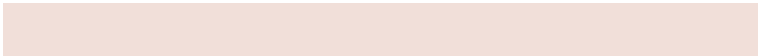
218, 224, 240

Rectangle

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



240, 222, 228



241, 225, 217



212, 223, 231



211, 222, 236

Sweetspot

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



240, 222, 228



255, 250, 252



234, 222, 240



128, 125, 126



0, 0, 0



128, 128, 128

Same Dimension

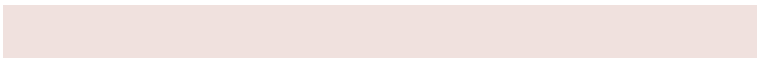
The Same Dimension uses a secret algorithm to generate beautiful new colors.



240, 222, 228



255, 232, 240



240, 226, 222



120, 108, 112



184, 0, 61



56, 0, 19

Inverse Universe

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



240, 222, 228



255, 232, 240



222, 230, 240



120, 108, 112



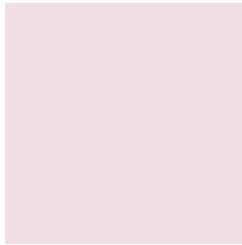
184, 0, 61



56, 0, 19

Previews

White Background



This preview shows how the RYB color 240, 222, 228 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 240, 222, 228 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

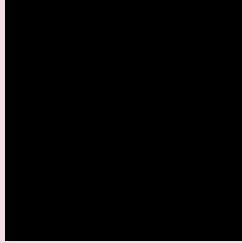
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

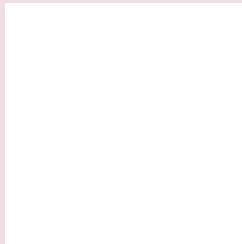
Any Text WCAG AAA ✓ Pass

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

R Y B 240, 222, 228 Background



This preview shows how black text looks on a background with the RYB color 240, 222, 228.



This preview shows how white text looks on a background with the RYB color 240, 222, 228.

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

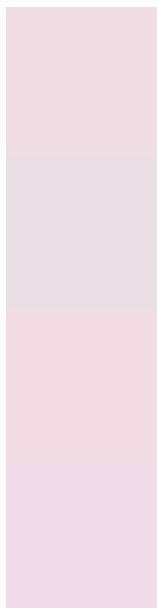
	Original Color 240, 222, 228
	Protanopia 229, 225, 230
	Deuteranopia 247, 219, 229



Tritanopia

241, 220, 238

Trichromacy



Original Color

240, 222, 228

Protanomaly

233, 224, 229

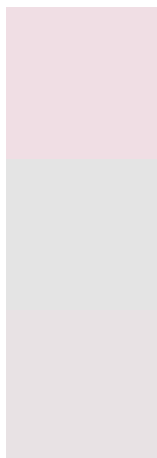
Deuteranomaly

244, 220, 229

Tritanomaly

241, 221, 234

Monochromacy



Original Color

240, 222, 228

Achromatopsia

228, 228, 228

Achromatomaly

232, 226, 228

CSS Examples

Text

The CSS property to change the color of the text to RYB 240, 222, 228 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(240, 222, 228) looks like.

```
.text, #text, p{  
    color:rgb(240, 222, 228)  
}
```

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(240, 222, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 222, 228) }
```

Border

The CSS property to change the border of an element to RYB 240, 222, 228 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(240, 222, 228) }
```

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

```
.border{ border-color:rgb(240, 222, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 222, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 222, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 222, 228);  
box-shadow:4px 4px 4px 4px rgb(240, 222,  
228) }
```

Background

The CSS property to change the background color of an element to RGB 240, 222, 228 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 222, 228) }
```

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

```
.background{ background-color: rgb(240,  
222, 228) }
```

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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