

Converting Colors

`RYB(242, 238, 224)`

Have a look what the booklet for
RYB(242, 238, 224) contains.

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Color

R_YB(242, 238, 224)

Conversions

Conversions Part 1

Format	Color
Hex	F2E8E0
RGB	242, 232, 224
RGB Percent	95%, 91%, 88%
CMY	0.0510, 0.0907, 0.1216
CMYK	0.00, 0.04, 0.07, 0.05
HSL	26°, 41%, 91%
HSV	26°, 7%, 95%
XYZ	78.8939, 81.9019, 82.1715
YIQ	234.0780, 8.5280, -0.3680

Conversions

Conversions Part 2

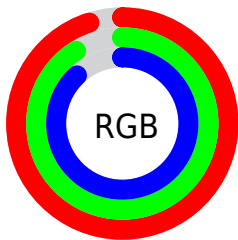
Format	Color
R _Y B	242, 238, 224
Decimal	15919328
CIE Lab	92.53, 2.09, 5.03
CIE LCh	93, 5.451, 67.443
Yxy	81.9019, 0.3247, 0.3371
Android (android.graphics.Color)	4294109408 (0xFF2E8E0)
YUV	234.0780, -4.9685, 6.9476
Hunter-Lab	90.4997, -2.7654, 9.5159

Details

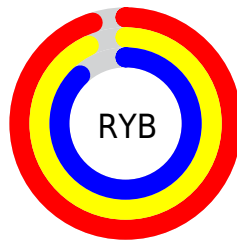
The RYB color **242, 238, 224** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **224, 230, 242**, and the grayscale version is **234, 234, 234**.

A 20% lighter version of the original color is 255, 255, 255, and **186, 181, 169** is the 20% darker color. If you saturate the color by 10%, you get **242, 232, 200**, and if you desaturate by 10%, it is **242, 244, 248**.

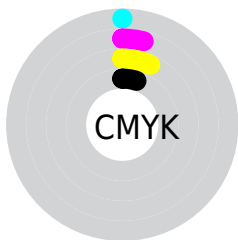
Distribution



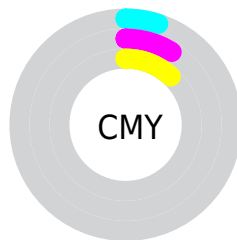
- Red (95%)
- Green (91%)
- Blue (88%)



- Red (95%)
- Yellow (93%)
- Blue (88%)



- Cyan (0%)
- Magenta (4%)
- Yellow (7%)
- Black (5%)



- Cyan (5%)
- Magenta (9%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the RYB color 242, 238, 224 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 242, 238, 224 by changing the saturation by 10% instead.

■ 242, 238, 224

255, 255, 255

■ 242, 238, 224

■ 214, 210, 196

■ 186, 181, 169

■ 159, 157, 142

■ 133, 129, 117

■ 107, 105, 92

■ 83, 80, 69

■ 60, 60, 46

■ 38, 35, 26

■ 18, 11, 0

 242, 238, 224

 242, 238, 224

 242, 232, 200

 242, 244, 248

 242, 228, 176

 242, 249, 255


 242, 222, 151

 242, 215, 127

 242, 212, 103

 242, 205, 79

 242, 201, 55

 242, 196, 30

 242, 189, 6

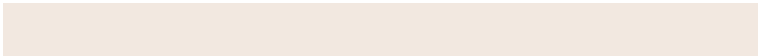
Harmonies

Analogous

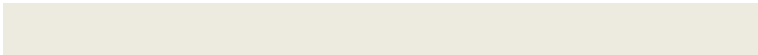
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



245, 232, 227



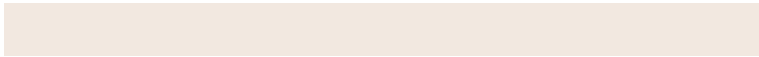
242, 238, 224



227, 237, 223

Triad

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



242, 238, 224



222, 230, 237



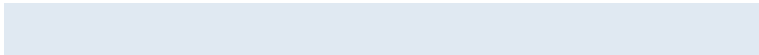
236, 232, 242

Complementary

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



242, 238, 224



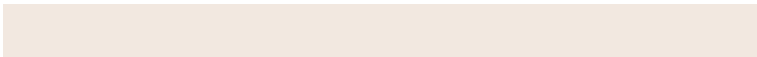
224, 230, 242

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.



230, 233, 244



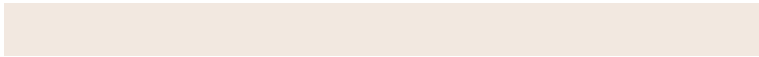
242, 238, 224



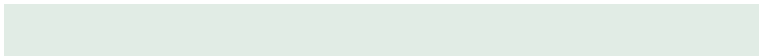
221, 229, 240

Square

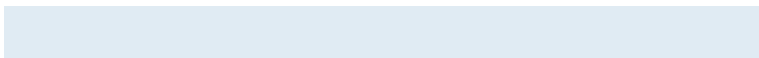
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



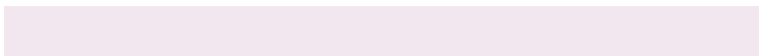
242, 238, 224



225, 233, 236



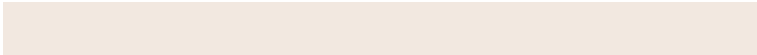
224, 231, 243



242, 231, 238

Rectangle

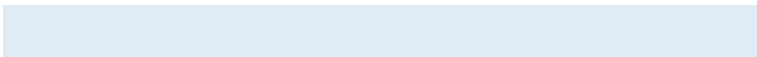
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



242, 238, 224



224, 235, 226



224, 231, 243



234, 232, 243

Sweetspot

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



242, 238, 224



255, 253, 250



242, 224, 234



128, 127, 125



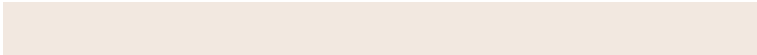
0, 0, 0



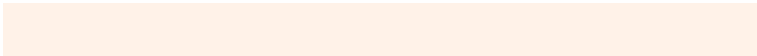
128, 128, 128

Same Dimension

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



242, 238, 224



255, 250, 232



225, 242, 224



120, 117, 108



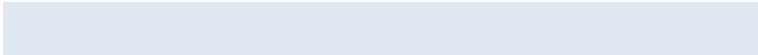
184, 142, 0



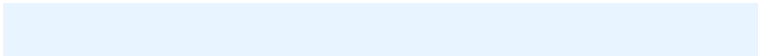
56, 45, 0

Inverse Universe

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



224, 230, 242



232, 240, 255



224, 225, 242



108, 112, 120



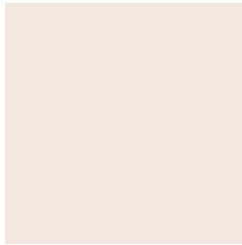
0, 66, 184



0, 20, 56

Previews

White Background



This preview shows how the RYB color 242, 238, 224 looks on a white background.

Color Contrast Check

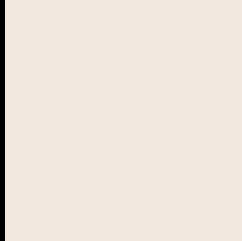
Large Text (above 18pt) WCAG AA × Fail

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 242, 238, 224 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

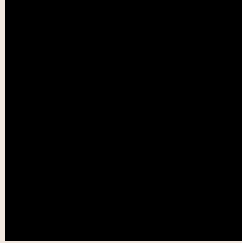
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

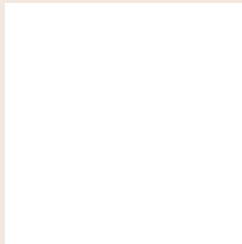
Any Text WCAG AAA ✓ Pass

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

R Y B 242, 238, 224 Background



This preview shows how black text looks on a background with the R Y B color 242, 238, 224.

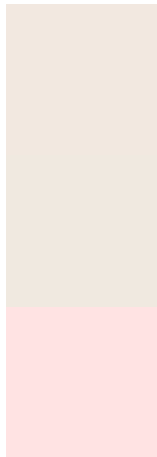


This preview shows how white text looks on a background with the R Y B color 242, 238, 224.

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
242, 238, 224

Protanopia
236, 240, 224

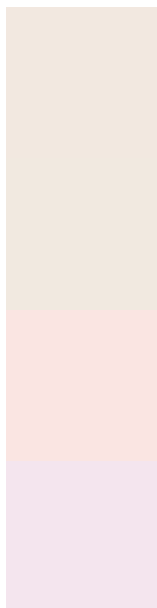
Deuteranopia
255, 227, 227



Tritanopia

245, 228, 246

Trichromacy



Original Color

242, 238, 224

Protanomaly

239, 241, 224

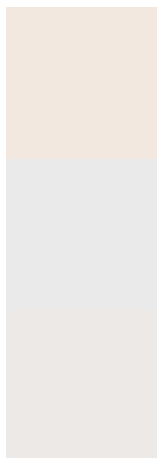
Deuteranomaly

250, 229, 226

Tritanomaly

244, 229, 238

Monochromacy



Original Color

242, 238, 224

Achromatopsia

234, 234, 234

Achromatomaly

237, 235, 230

CSS Examples

Text

The CSS property to change the color of the text to RYB 242, 238, 224 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(242, 232, 224) looks like.

```
.text, #text, p{  
    color:rgb(242, 232, 224)  
}
```

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(242, 232, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 232, 224) }
```

Border

The CSS property to change the border of an element to RYB 242, 238, 224 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(242, 232, 224) }
```

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

```
.border{ border-color:rgb(242, 232, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 232, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 232, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 232, 224);  
box-shadow:4px 4px 4px 4px rgb(242, 232,  
224) }
```

Background

The CSS property to change the background color of an element to RYB 242, 238, 224 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 232, 224) }
```

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

```
.background{ background-color: rgb(242,  
232, 224) }
```

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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