

Converting Colors

`RYB(227, 232, 213)`

Have a look what the booklet for
RYB(227, 232, 213) contains.

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Color

R_YB(227, 232, 213)

Conversions

Conversions Part 1

Format	Color
Hex	E8E0D5
RGB	232, 224, 213
RGB Percent	91%, 88%, 84%
CMY	0.0902, 0.1218, 0.1647
CMYK	0.00, 0.03, 0.08, 0.09
HSL	35°, 29%, 87%
HSV	35°, 8%, 91%
XYZ	71.9283, 75.2386, 73.6823
YIQ	225.1380, 8.2990, -1.7250

Conversions

Conversions Part 2

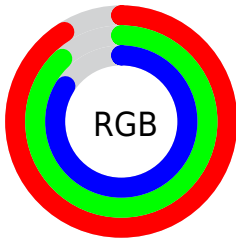
Format	Color
R _Y B	227, 232, 213
Decimal	15261909
CIE Lab	89.50, 0.88, 6.32
CIE LCh	90, 6.377, 82.062
Yxy	75.2386, 0.3257, 0.3407
Android (android.graphics.Color)	4293451989 (0xFFE8E0D5)
YUV	225.1380, -5.9840, 6.0180
Hunter-Lab	86.7402, -3.7763, 10.3537

Details

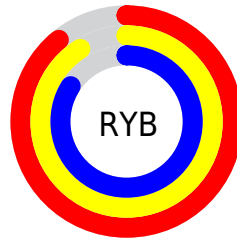
The RYB color **227, 232, 213** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **213, 219, 232**, and the grayscale version is **225, 225, 225**.

A 20% lighter version of the original color is **255, 255, 255**, and **169, 176, 158** is the 20% darker color. If you saturate the color by 10%, you get **222, 232, 190**, and if you desaturate by 10%, it is **232, 233, 236**.

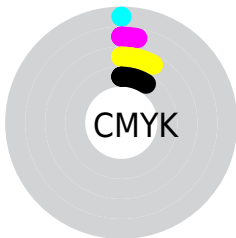
Distribution



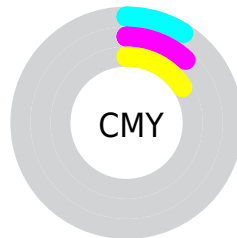
- Red (91%)
- Green (88%)
- Blue (84%)



- Red (89%)
- Yellow (91%)
- Blue (84%)



- Cyan (0%)
- Magenta (3%)
- Yellow (8%)
- Black (9%)



- Cyan (9%)
- Magenta (12%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the RYB color 227, 232, 213 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 227, 232, 213 by changing the saturation by 10% instead.

■ 227, 232, 213

255, 255, 255

■ 227, 232, 213

■ 199, 204, 185

■ 169, 176, 158

■ 146, 150, 132

■ 119, 124, 107

■ 95, 99, 83

■ 70, 75, 60

■ 49, 52, 38

■ 26, 31, 18

■ 0, 0, 0

 227, 232, 213

 227, 232, 213

 222, 232, 190


 232, 233, 236

 216, 232, 167


 232, 240, 255


 209, 232, 143


 232, 243, 255


 201, 232, 120

 232, 244, 255

 196, 232, 97

 190, 232, 74

 185, 232, 51

 178, 232, 27

 173, 232, 4

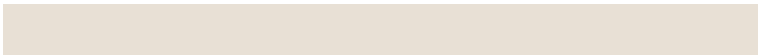
Harmonies

Analogous

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



237, 224, 216



227, 232, 213



214, 226, 215

Triad

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



227, 232, 213



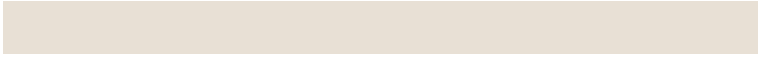
210, 220, 229



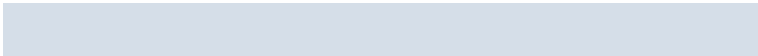
232, 222, 232

Complementary

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



227, 232, 213



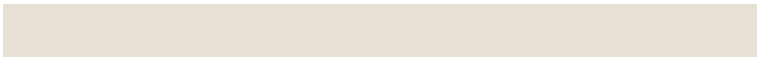
213, 219, 232

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.



224, 224, 236



227, 232, 213



212, 221, 234

Square

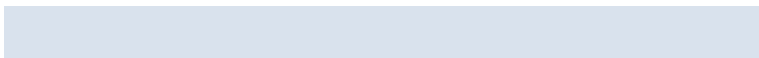
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



227, 232, 213



213, 223, 229



217, 223, 237



237, 221, 227

Rectangle

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



227, 232, 213



216, 227, 223



217, 223, 237



229, 223, 234

Sweetspot

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



227, 232, 213



253, 255, 250



232, 213, 221



128, 127, 125



0, 0, 0



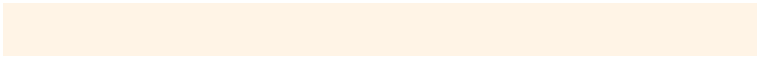
128, 128, 128

Same Dimension

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



227, 232, 213



250, 255, 230



213, 232, 214



112, 115, 103



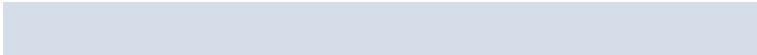
132, 179, 0



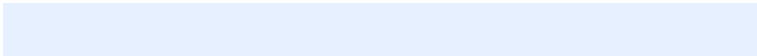
39, 51, 0

Inverse Universe

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



213, 219, 232



230, 237, 255



214, 213, 232



103, 107, 115



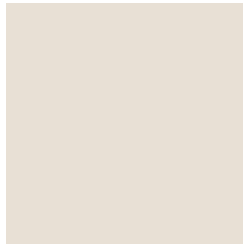
0, 53, 179



0, 15, 51

Previews

White Background



This preview shows how the RYB color 227, 232, 213 looks on a white background.

Color Contrast Check

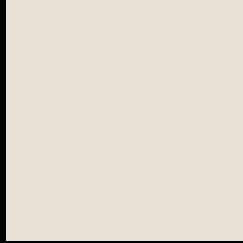
Large Text (above 18pt) WCAG AA × Fail

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 227, 232, 213 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

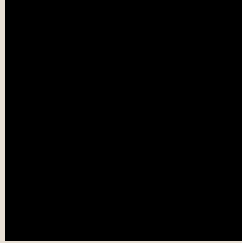
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

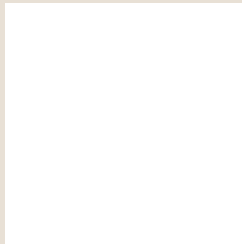
Any Text WCAG AAA ✓ Pass

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

RYB 227, 232, 213 Background



This preview shows how black text looks on a background with the RYB color 227, 232, 213.

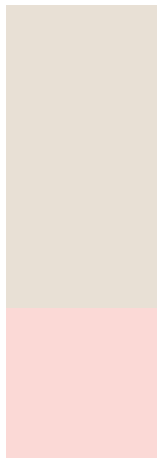


This preview shows how white text looks on a background with the RYB color 227, 232, 213.

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
227, 232, 213

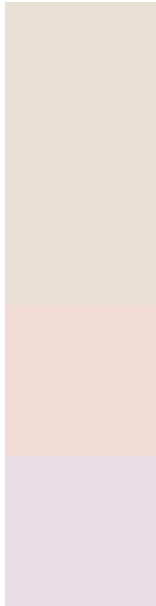
Protanopia
227, 232, 213

Deuteranopia
251, 217, 214



Tritanopia
236, 220, 238

Trichromacy



Original Color

227, 232, 213

Protanomaly

227, 232, 213

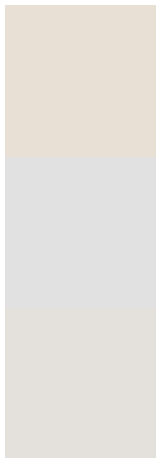
Deuteranomaly

244, 222, 214

Tritanomaly

235, 221, 229

Monochromacy



Original Color

227, 232, 213

Achromatopsia

225, 225, 225

Achromatomaly

226, 228, 221

CSS Examples

Text

The CSS property to change the color of the text to RGB 227, 232, 213 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(232, 224, 213) looks like.

```
.text, #text, p{  
    color:rgb(232, 224, 213)  
}
```

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(232, 224, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 224, 213) }
```

Border

The CSS property to change the border of an element to RYB 227, 232, 213 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(232, 224, 213) }
```

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

```
.border{ border-color:rgb(232, 224, 213) }
```

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

Here you see how a box with a 4 pixel rgb(232, 224, 213) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 224, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 224, 213);  
box-shadow:4px 4px 4px 4px rgb(232, 224,  
213) }
```

Background

The CSS property to change the background color of an element to RGB 232, 224, 213 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 224, 213) }
```

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

```
.background{ background-color: rgb(232,  
224, 213) }
```

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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