

Converting Colors

`RYB(221, 228, 208)`

Have a look what the booklet for
RYB(221, 228, 208) contains.

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Color

R_YB(221, 228, 208)

Conversions

Conversions Part 1

Format	Color
Hex	E4DCD0
RGB	228, 220, 208
RGB Percent	89%, 86%, 82%
CMY	0.1059, 0.1368, 0.1843
CMYK	0.00, 0.03, 0.09, 0.11
HSL	36°, 27%, 85%
HSV	36°, 9%, 89%
XYZ	69.0051, 72.2981, 69.9925
YIQ	221.0240, 8.6200, -2.0360

Conversions

Conversions Part 2

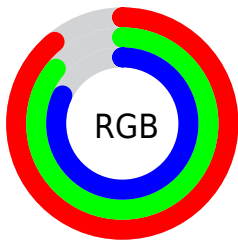
Format	Color
RYB	221, 228, 208
Decimal	14998736
CIELab	88.11, 0.63, 6.90
CIELCh	88, 6.924, 84.813
Yxy	72.2981, 0.3266, 0.3422
Android (android.graphics.Color)	4293188816 (0xFFE4DCD0)
YUV	221.0240, -6.4208, 6.1180
Hunter-Lab	85.0283, -3.9370, 10.7142

Details

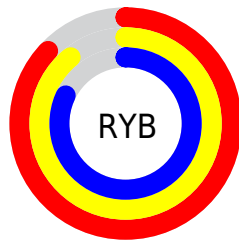
The RYB color **221, 228, 208** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **208, 214, 228**, and the grayscale version is **221, 221, 221**.

A 20% lighter version of the original color is **255, 255, 255**, and **168, 173, 154** is the 20% darker color. If you saturate the color by 10%, you get **213, 228, 185**, and if you desaturate by 10%, it is **228, 229, 231**.

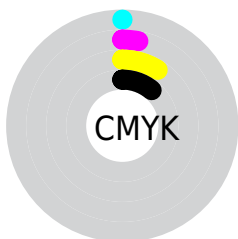
Distribution



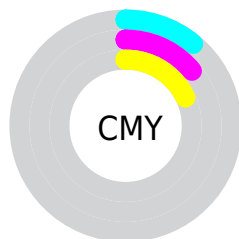
- Red (89%)
- Green (86%)
- Blue (82%)



- Red (87%)
- Yellow (89%)
- Blue (82%)



- Cyan (0%)
- Magenta (3%)
- Yellow (9%)
- Black (11%)



- Cyan (11%)
- Magenta (14%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the RYB color 221, 228, 208 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 221, 228, 208 by changing the saturation by 10% instead.

■ 221, 228, 208

255, 255, 255

■ 221, 228, 208

■ 193, 200, 180

■ 168, 173, 154

■ 139, 146, 128

■ 115, 120, 103

■ 89, 95, 79

■ 66, 72, 56

■ 42, 49, 34

■ 21, 28, 13

■ 0, 0, 0

 221, 228, 208

 221, 228, 208

 213, 228, 185

 228, 229, 231

 205, 228, 162

 228, 235, 254


 198, 228, 140


 228, 239, 255


 190, 228, 117

 228, 242, 255

 182, 228, 94

 173, 228, 71

 165, 228, 48

 158, 228, 26

 150, 228, 3

Harmonies

Analogous

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



234, 222, 210



221, 228, 208



209, 222, 210

Triad

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



221, 228, 208



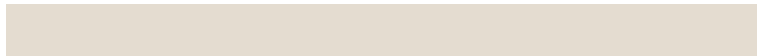
205, 215, 226



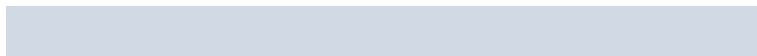
229, 218, 229

Complementary

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



221, 228, 208



208, 214, 228

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, 220, 233



221, 228, 208



207, 217, 232

Square

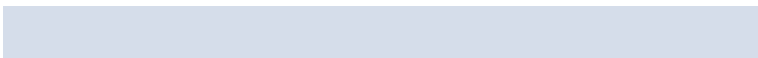
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



221, 228, 208



207, 217, 225



213, 219, 234



234, 217, 222

Rectangle

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



221, 228, 208



212, 224, 221



213, 219, 234



226, 218, 230

Sweetspot

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



221, 228, 208



252, 255, 247



228, 208, 216



128, 128, 122



0, 0, 0



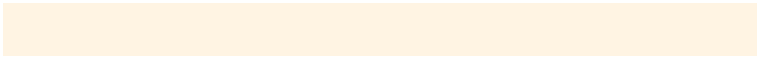
128, 128, 128

Same Dimension

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



221, 228, 208



245, 255, 227



208, 228, 210



112, 115, 103



118, 179, 0



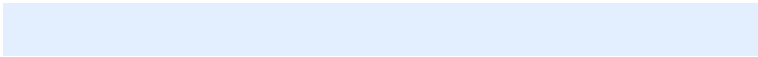
33, 51, 0

Inverse Universe

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



208, 214, 228



227, 235, 255



210, 208, 228



103, 107, 115



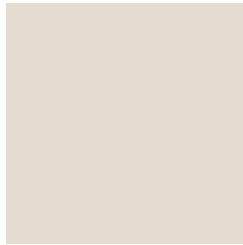
0, 50, 179



0, 14, 51

Previews

White Background



This preview shows how the RYB color 221, 228, 208 looks on a white background.

Color Contrast Check

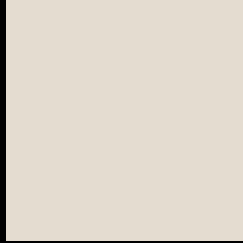
Large Text (above 18pt) WCAG AA × Fail

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 221, 228, 208 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

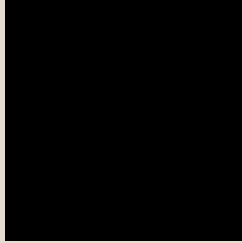
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

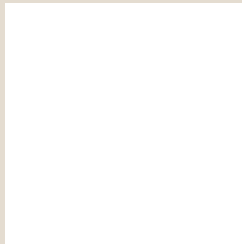
Any Text WCAG AAA ✓ Pass

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

RYB 221, 228, 208 Background



This preview shows how black text looks on a background with the RYB color 221, 228, 208.

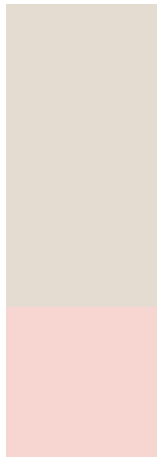


This preview shows how white text looks on a background with the RYB color 221, 228, 208.

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](#).

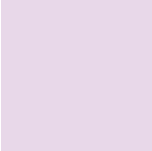
Dichromacy



Original Color
221, 228, 208

Protanopia
221, 228, 208

Deuteranopia
247, 213, 209



Tritanopia
232, 216, 233

Trichromacy



Original Color

221, 228, 208

Protanomaly

221, 228, 208

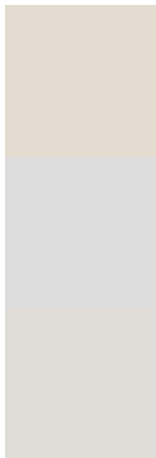
Deuteranomaly

240, 218, 209

Tritanomaly

231, 217, 224

Monochromacy



Original Color

221, 228, 208

Achromatopsia

221, 221, 221

Achromatomaly

221, 224, 216

CSS Examples

Text

The CSS property to change the color of the text to RYB 221, 228, 208 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(228, 220, 208) looks like.

```
.text, #text, p{  
    color:rgb(228, 220, 208)  
}
```

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(228, 220, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 220, 208) }
```

Border

The CSS property to change the border of an element to RYB 221, 228, 208 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(228, 220, 208) }
```

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

```
.border{ border-color:rgb(228, 220, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 220, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 220, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 220, 208);  
box-shadow:4px 4px 4px 4px rgb(228, 220,  
208) }
```

Background

The CSS property to change the background color of an element to RYB 221, 228, 208 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 220, 208) }
```

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

```
.background{ background-color: rgb(228,  
220, 208) }
```

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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