

Converting Colors

`RYB(222, 229, 173)`

Have a look what the booklet for
RYB(222, 229, 173) contains.

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Color

R_YB(222, 229, 173)

Conversions

Conversions Part 1

Format	Color
Hex	E5CBAD
RGB	229, 203, 173
RGB Percent	90%, 80%, 68%
CMY	0.1020, 0.2044, 0.3216
CMYK	0.00, 0.11, 0.24, 0.10
HSL	32°, 52%, 79%
HSV	32°, 24%, 90%
XYZ	61.1804, 62.3241, 48.3404
YIQ	207.3540, 25.1260, -3.8180

Conversions

Conversions Part 2

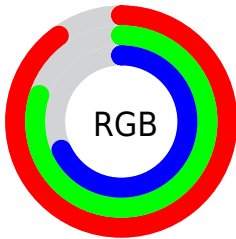
Format	Color
R _Y B	222, 229, 173
Decimal	15059885
CIE Lab	83.09, 4.62, 18.26
CIE LCh	83, 18.839, 75.804
Yxy	62.3241, 0.3560, 0.3627
Android (android.graphics.Color)	4293249965 (0xFFE5CBAD)
YUV	207.3540, -16.9365, 18.9835
Hunter-Lab	78.9456, 0.1772, 18.9572

Details

The RYB color **222, 229, 173** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **173, 191, 229**, and the grayscale version is **207, 207, 207**.

A 20% lighter version of the original color is **229, 255, 229**, and **166, 173, 121** is the 20% darker color. If you saturate the color by 10%, you get **220, 229, 150**, and if you desaturate by 10%, it is **224, 229, 196**.

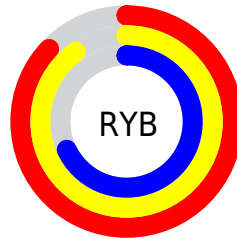
Distribution



Red (90%)

Green (80%)

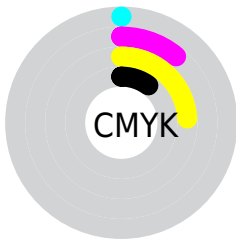
Blue (68%)



Red (87%)

Yellow (90%)

Blue (68%)

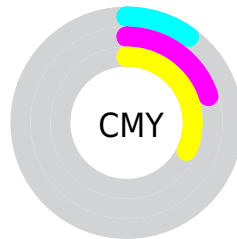


Cyan (0%)

Magenta (11%)

Yellow (24%)

Black (10%)



Cyan (10%)

Magenta (20%)

Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the RYB color 222, 229, 173 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 222, 229, 173 by changing the saturation by 10% instead.

 222, 229, 173


255, 255, 255


 229, 255, 229

 222, 229, 173


 195, 201, 146

 166, 173, 121

 139, 146, 96

 113, 120, 72

 85, 94, 49

 60, 70, 28

 28, 47, 3

 24, 10, 0

 0, 0, 0

 222, 229, 173

 222, 229, 173

 220, 229, 150


 224, 229, 196

 218, 229, 127


 229, 229, 219

 212, 229, 104


 229, 233, 242


 210, 229, 81


 229, 239, 255

 210, 229, 59

 229, 242, 255

 205, 229, 36

 203, 229, 13

 201, 229, 0

Harmonies

Analogous

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



241, 204, 182



222, 229, 173



175, 211, 173

Triad

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



222, 229, 173



161, 189, 217



222, 199, 232

Complementary

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



222, 229, 173



173, 191, 229

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.



199, 204, 241



222, 229, 173



163, 193, 232

Square

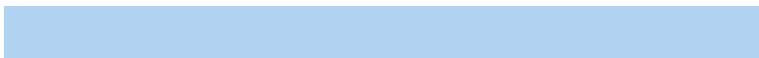
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



222, 229, 173



172, 201, 217



177, 199, 241



238, 195, 216

Rectangle

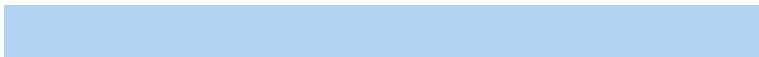
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



222, 229, 173



178, 212, 193



177, 199, 241



215, 201, 236

Sweetspot

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



222, 229, 173



251, 255, 237



229, 173, 199



126, 128, 117



0, 0, 0



128, 128, 128

Same Dimension

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



222, 229, 173



247, 255, 181



173, 229, 174



115, 115, 103



158, 179, 0



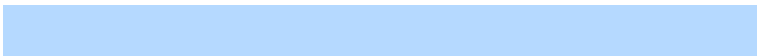
45, 51, 0

Inverse Universe

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



173, 191, 229



181, 205, 255



175, 173, 229



103, 107, 115



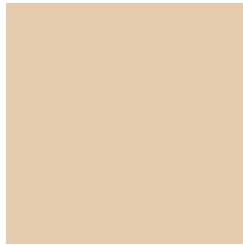
0, 57, 179



0, 16, 51

Previews

White Background



This preview shows how the RYB color 222, 229, 173 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 222, 229, 173 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

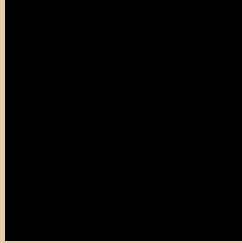
Any Text WCAG AA ✓ Pass

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 222, 229, 173 Background



This preview shows how black text looks on a background with the RYB color 222, 229, 173.




This preview shows how white text looks on a background with the RYB color 222, 229, 173.

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](#).

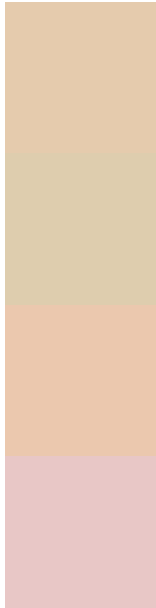
Dichromacy





Tritanopia
234, 197, 213

Trichromacy



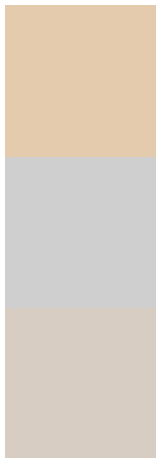
Original Color
222, 229, 173

Protanomaly
200, 222, 174

Deuteranomaly
235, 219, 174

Tritanomaly
232, 199, 198

Monochromacy



Original Color
222, 229, 173

Achromatopsia
207, 207, 207

Achromatomaly
215, 215, 195

CSS Examples

Text

The CSS property to change the color of the text to RYB 222, 229, 173 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(229, 203, 173)` looks like.

```
.text, #text, p{  
    color:rgb(229, 203, 173)  
}
```

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(229, 203, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 203, 173) }
```

Border

The CSS property to change the border of an element to RYB 222, 229, 173 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(229, 203, 173) }
```

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

```
.border{ border-color:rgb(229, 203, 173) }
```

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

Here you see how a box with a 4 pixel rgb(229, 203, 173) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 203, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 203, 173);  
box-shadow:4px 4px 4px 4px rgb(229, 203,  
173) }
```

Background

The CSS property to change the background color of an element to RYB 222, 229, 173 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 203, 173) }
```

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

```
.background{ background-color: rgb(229,  
203, 173) }
```

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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