

Converting Colors

`RYB(236, 228, 168)`

Have a look what the booklet for
RYB(236, 228, 168) contains.

RYB(236, 228, 168)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

R_YB(236, 228, 168)

Conversions

Conversions Part 1

Format	Color
Hex	ECC8A8
RGB	236, 200, 168
RGB Percent	93%, 78%, 66%
CMY	0.0745, 0.2162, 0.3412
CMYK	0.00, 0.15, 0.29, 0.07
HSL	28°, 64%, 79%
HSV	28°, 29%, 93%
XYZ	62.2853, 61.9107, 45.7130
YIQ	207.1160, 31.7280, -2.3200

Conversions

Conversions Part 2

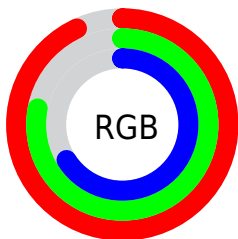
Format	Color
R _Y B	236, 228, 168
Decimal	15517864
CIE Lab	82.87, 8.15, 20.70
CIE LCh	83, 22.247, 68.511
Yxy	61.9107, 0.3666, 0.3644
Android (android.graphics.Color)	4293707944 (0xFFECC8A8)
YUV	207.1160, -19.2842, 25.3313
Hunter-Lab	78.6833, 3.6037, 20.6324

Details

The RYB color **236, 228, 168** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **168, 192, 236**, and the grayscale version is **207, 207, 207**.

A 20% lighter version of the original color is **223, 255, 223**, and **179, 173, 116** is the 20% darker color. If you saturate the color by 10%, you get **236, 225, 144**, and if you desaturate by 10%, it is **236, 229, 192**.

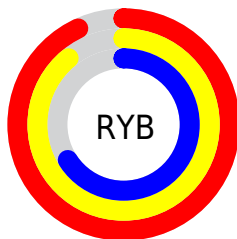
Distribution



Red (93%)

Green (78%)

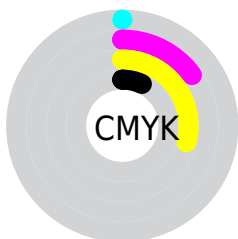
Blue (66%)



Red (93%)

Yellow (89%)

Blue (66%)

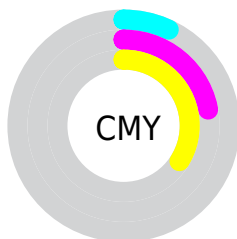


Cyan (0%)

Magenta (15%)

Yellow (29%)

Black (7%)



Cyan (7%)

Magenta (22%)

Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the RYB color 236, 228, 168 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 236, 228, 168 by changing the saturation by 10% instead.

 236, 228, 168

255, 255, 255

 223, 255, 223

 252, 255, 252

 236, 228, 168

 207, 203, 141

 179, 173, 116

 152, 146, 91

 125, 125, 67

 99, 99, 45

 74, 74, 24

 42, 51, 0

 28, 5, 0

 0, 0, 0

236, 228, 168

236, 228, 168

236, 225, 144

236, 229, 192

236, 223, 121

236, 234, 215

236, 219, 97

236, 237, 239

236, 217, 74

236, 244, 255

236, 213, 50

236, 246, 255

236, 213, 26

236, 208, 3

236, 210, 0

Harmonies

Analogous

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



248, 197, 181



236, 228, 168



176, 216, 165

Triad

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



236, 228, 168



153, 187, 218



217, 199, 239

Complementary

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



236, 228, 168



168, 192, 236

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.



190, 202, 247



236, 228, 168



150, 187, 232

Square

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



236, 228, 168



170, 203, 217



165, 195, 245



239, 193, 222

Rectangle

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



236, 228, 168



169, 211, 179



165, 195, 245



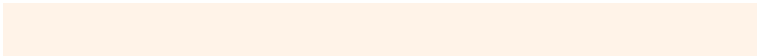
209, 201, 243

Sweetspot

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



236, 228, 168



255, 253, 232



236, 168, 204



128, 126, 113



0, 0, 0



128, 128, 128

Same Dimension

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



236, 228, 168



255, 246, 166



170, 236, 168



117, 115, 106



181, 160, 0



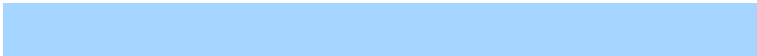
54, 47, 0

Inverse Universe

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



168, 192, 236



166, 197, 255



168, 170, 236



106, 110, 117



0, 63, 181



0, 18, 54

Previews

White Background



This preview shows how the RYB color 236, 228, 168 looks on a white background.

Color Contrast Check

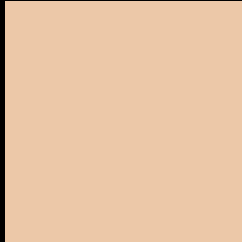
Large Text (above 18pt) WCAG AA × Fail

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 236, 228, 168 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

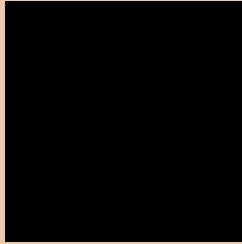
Any Text WCAG AA ✓ Pass

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](#).

RYP 236, 228, 168 Background



This preview shows how black text looks on a background with the RYP color 236, 228, 168.



This preview shows how white text looks on a background with the RYP color 236, 228, 168.

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
236, 228, 168

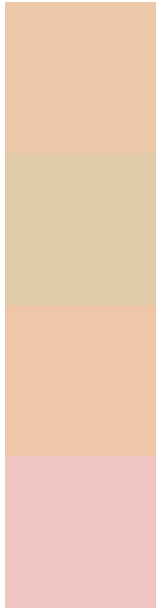
Protanopia
187, 218, 171

Deuteranopia
240, 219, 168



Tritanopia
241, 194, 209

Trichromacy



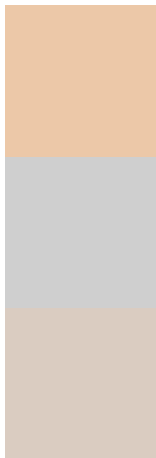
Original Color
236, 228, 168

Protanomaly
204, 225, 170

Deuteranomaly
239, 223, 168

Tritanomaly
239, 196, 194

Monochromacy



Original Color
236, 228, 168

Achromatopsia
207, 207, 207

Achromatomaly
218, 213, 193

CSS Examples

Text

The CSS property to change the color of the text to RYB 236, 228, 168 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(236, 200, 168)` looks like.

```
.text, #text, p{  
    color:rgb(236, 200, 168)  
}
```

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(236, 200, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 200, 168) }
```

Border

The CSS property to change the border of an element to RYB 236, 228, 168 is called "border". The border property can be set on classes, ids or directly on the HTML element.

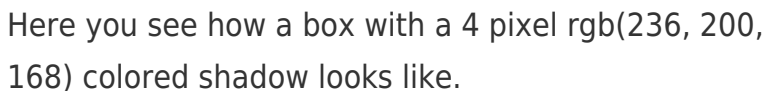
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(236, 200, 168) }
```

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

```
.border{ border-color:rgb(236, 200, 168) }
```

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



Here you see how a box with a 4 pixel `rgb(236, 200, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(236, 200, 168); -webkit-box-shadow:4px 4px 4px 4px rgb(236, 200, 168); box-shadow:4px 4px 4px 4px rgb(236, 200, 168) }
```

Background

The CSS property to change the background color of an element to RYB 236, 228, 168 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 200, 168) }
```

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

```
.background{ background-color: rgb(236,  
200, 168) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor