

Converting Colors

`RYB(196, 236, 171)`

Have a look what the booklet for
RYB(196, 236, 171) contains.

RYB(196, 236, 171)	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(196, 236, 171)

Conversions

Conversions Part 1

Format	Color
Hex	ECDAAB
RGB	236, 218, 171
RGB Percent	93%, 85%, 67%
CMY	0.0745, 0.1453, 0.3294
CMYK	0.00, 0.08, 0.28, 0.07
HSL	43°, 63%, 80%
HSV	43°, 28%, 93%
XYZ	66.9998, 70.8871, 48.6794
YIQ	218.0240, 25.8150, -10.8010

Conversions

Conversions Part 2

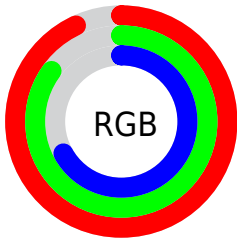
Format	Color
R _{YB}	196, 236, 171
Decimal	15522475
CIE Lab	87.43, -0.83, 25.40
CIE LCh	87, 25.412, 91.875
Yxy	70.8871, 0.3591, 0.3800
Android (android.graphics.Color)	4293712555 (0xFFECDAAB)
YUV	218.0240, -23.1828, 15.7650
Hunter-Lab	84.1945, -5.2948, 24.6560

Details

The RYB color **196, 236, 171** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **171, 185, 236**, and the grayscale version is **218, 218, 218**.

A 20% lighter version of the original color is **227, 255, 227**, and **140, 179, 118** is the 20% darker color. If you saturate the color by 10%, you get **182, 236, 147**, and if you desaturate by 10%, it is **210, 236, 195**.

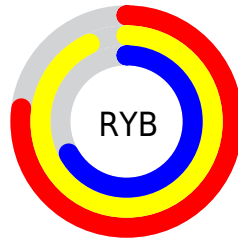
Distribution



Red (93%)

Green (85%)

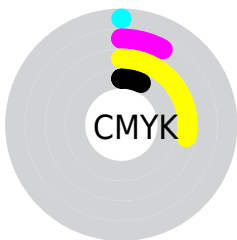
Blue (67%)



Red (77%)

Yellow (93%)

Blue (67%)

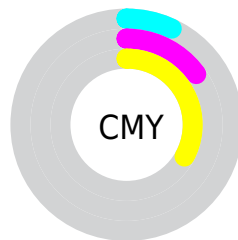


Cyan (0%)

Magenta (8%)

Yellow (28%)

Black (7%)



Cyan (7%)

Magenta (15%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the RYB color 196, 236, 171 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 196, 236, 171 by changing the saturation by 10% instead.


 196, 236, 171


255, 255, 255

 227, 255, 227


 196, 236, 171

 167, 207, 144

 140, 179, 118

 114, 152, 94

 89, 126, 70

 64, 100, 47

 39, 75, 25

 12, 52, 0

 9, 29, 0

 0, 0, 0

196, 236, 171

196, 236, 171

182, 236, 147

210, 236, 195

167, 236, 124

225, 236, 218

153, 236, 100

236, 238, 242

138, 236, 77

236, 242, 255

124, 236, 53

236, 244, 255

108, 236, 29

236, 246, 255

95, 236, 6

92, 236, 0

Harmonies

Analogous

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



255, 234, 177



196, 236, 171



178, 225, 193

Triad

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



196, 236, 171



152, 195, 244



252, 205, 242

Complementary

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



196, 236, 171



171, 185, 236

Split Complementary

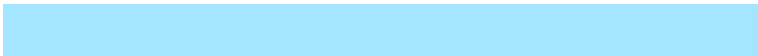
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



225, 212, 255



196, 236, 171



164, 202, 255

Square

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



196, 236, 171



160, 200, 233



193, 212, 255



255, 202, 218

Rectangle

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



196, 236, 171



189, 229, 227



193, 212, 255



244, 207, 249

Sweetspot

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



196, 236, 171



244, 255, 235



236, 171, 189



121, 128, 115



0, 0, 0



128, 128, 128

Same Dimension

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



196, 236, 171



203, 255, 171



171, 236, 185



110, 117, 106



69, 181, 0



21, 54, 0

Inverse Universe

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



171, 185, 236



171, 189, 255



185, 171, 236



106, 108, 117



0, 39, 181



0, 12, 54

Previews

White Background



This preview shows how the RYB color 196, 236, 171 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 196, 236, 171 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

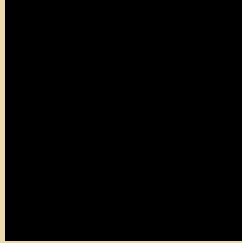
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

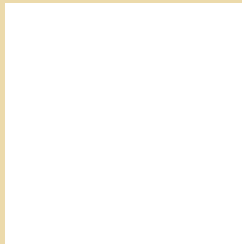
Any Text WCAG AAA ✓ Pass

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

RYB 196, 236, 171 Background



This preview shows how black text looks on a background with the RYB color 196, 236, 171.

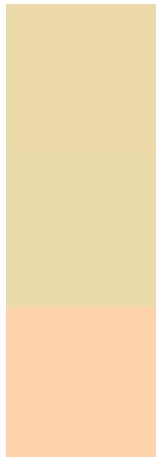


This preview shows how white text looks on a background with the RYB color 196, 236, 171.

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
196, 236, 171

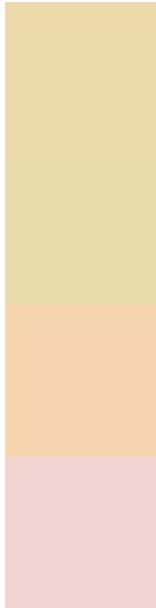
Protanopia
189, 233, 171

Deuteranopia
255, 242, 174



Tritanopia
243, 210, 227

Trichromacy



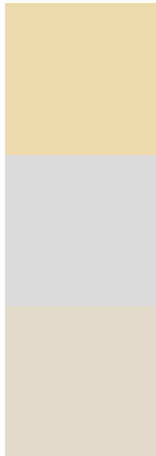
Original Color
196, 236, 171

Protanomaly
191, 234, 171

Deuteranomaly
235, 248, 173

Tritanomaly
240, 214, 207

Monochromacy



Original Color
196, 236, 171

Achromatopsia
218, 218, 218

Achromatomaly
211, 225, 201

CSS Examples

Text

The CSS property to change the color of the text to RYB 196, 236, 171 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, 218, 171)` looks like.

```
.text, #text, p{  
    color:rgb(236, 218, 171)  
}
```

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, 218, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 218, 171) }
```

Border

The CSS property to change the border of an element to RYB 196, 236, 171 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, 218, 171) }
```

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

```
.border{ border-color:rgb(236, 218, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 218, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(236, 218, 171); -webkit-box-shadow:4px 4px 4px 4px rgb(236, 218, 171); box-shadow:4px 4px 4px 4px rgb(236, 218, 171) }
```

Background

The CSS property to change the background color of an element to RYB 196, 236, 171 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 218, 171) }
```

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

```
.background{ background-color: rgb(236,  
218, 171) }
```

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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