

Converting Colors

`RYB(200, 242, 172)`

Have a look what the booklet for
RYB(200, 242, 172) contains.

RYB(200, 242, 172)	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(200, 242, 172)

Conversions

Conversions Part 1

Format	Color
Hex	F2DEAC
RGB	242, 222, 172
RGB Percent	95%, 87%, 67%
CMY	0.0510, 0.1294, 0.3255
CMYK	0.00, 0.08, 0.29, 0.05
HSL	43°, 73%, 81%
HSV	43°, 29%, 95%
XYZ	70.1856, 74.0984, 49.6330
YIQ	222.2800, 27.9700, -11.3100

Conversions

Conversions Part 2

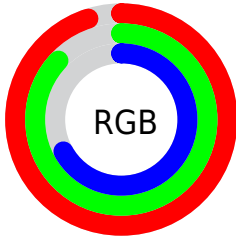
Format	Color
RYB	200, 242, 172
Decimal	15916716
CIELab	88.97, -0.52, 27.06
CIElCh	89, 27.064, 91.101
Yxy	74.0984, 0.3619, 0.3821
Android (android.graphics.Color)	4294106796 (0xFFFF2DEAC)
YUV	222.2800, -24.7880, 17.2944
Hunter-Lab	86.0804, -5.1008, 26.0704

Details

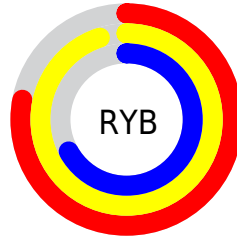
The RYB color **200, 242, 172** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **172, 188, 242**, and the grayscale version is **223, 223, 223**.

A 20% lighter version of the original color is **228, 255, 228**, and **144, 185, 119** is the 20% darker color. If you saturate the color by 10%, you get **186, 242, 148**, and if you desaturate by 10%, it is **214, 242, 196**.

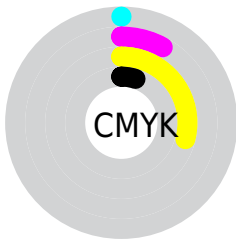
Distribution



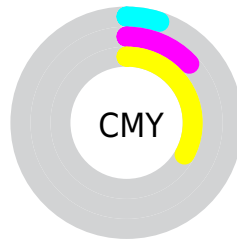
- Red (95%)
- Green (87%)
- Blue (67%)



- Red (78%)
- Yellow (95%)
- Blue (67%)



- Cyan (0%)
- Magenta (8%)
- Yellow (29%)
- Black (5%)



- Cyan (5%)
- Magenta (13%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the RYB color 200, 242, 172 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 200, 242, 172 by changing the saturation by 10% instead.

 200, 242, 172

255, 255, 255

 228, 255, 228

 200, 242, 172

 171, 213, 145

 144, 185, 119


 117, 158, 94

 92, 131, 70

 65, 105, 47

 42, 80, 25

 14, 56, 0

 11, 33, 0

 0, 0, 0

200, 242, 172

200, 242, 172

186, 242, 148

214, 242, 196

172, 242, 124

228, 242, 220

156, 242, 99

242, 243, 245

142, 242, 75

242, 247, 255

128, 242, 51

242, 249, 255

112, 242, 27

98, 242, 3

97, 242, 0

Harmonies

Analogous

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



255, 241, 179



200, 242, 172



179, 230, 195

Triad

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



200, 242, 172



151, 197, 249



255, 209, 249

Complementary

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



200, 242, 172



172, 188, 242

Split Complementary

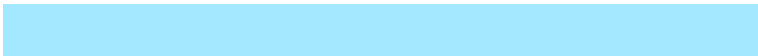
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



229, 217, 255



200, 242, 172



164, 203, 255

Square

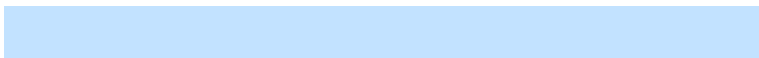
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



200, 242, 172



160, 203, 238



194, 215, 255



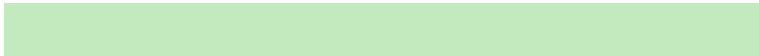
255, 205, 223

Rectangle

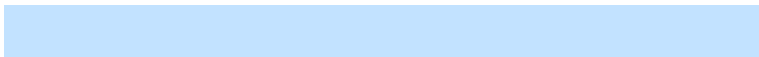
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



200, 242, 172



190, 234, 230



194, 215, 255



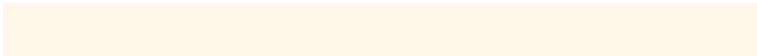
249, 211, 255

Sweetspot

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



200, 242, 172



242, 255, 232



242, 172, 193



121, 128, 113



0, 0, 0



128, 128, 128

Same Dimension

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



200, 242, 172



201, 255, 166



172, 242, 186



114, 120, 108



74, 184, 0



22, 56, 0

Inverse Universe

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



172, 188, 242



166, 186, 255



186, 172, 242



108, 110, 120



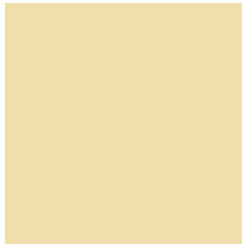
0, 41, 184



0, 12, 56

Previews

White Background



This preview shows how the RYB color 200, 242, 172 looks on a white background.

Color Contrast Check

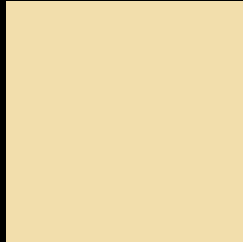
Large Text (above 18pt) WCAG AA × Fail

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 200, 242, 172 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

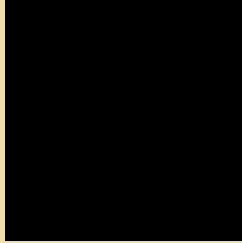
Any Text WCAG AA ✓ Pass

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](#).

R Y B 200, 242, 172 Background



This preview shows how black text looks on a background with the RYB color 200, 242, 172.



This preview shows how white text looks on a background with the RYB color 200, 242, 172.

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
200, 242, 172

Protanopia
194, 239, 173

Deuteranopia
255, 242, 184



Tritanopia
249, 214, 231

Trichromacy



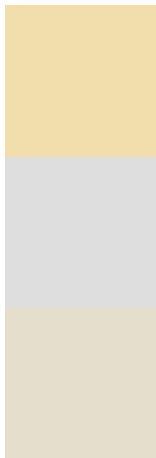
Original Color
200, 242, 172

Protanomaly
196, 240, 173

Deuteranomaly
239, 250, 180

Tritanomaly
246, 219, 210

Monochromacy



Original Color
200, 242, 172

Achromatopsia
222, 222, 222

Achromatomaly
214, 229, 204

CSS Examples

Text

The CSS property to change the color of the text to RYB 200, 242, 172 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(242, 222, 172)` looks like.

```
.text, #text, p{  
    color:rgb(242, 222, 172)  
}
```

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(242, 222, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 222, 172) }
```

Border

The CSS property to change the border of an element to RYB 200, 242, 172 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(242, 222, 172) }
```

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

```
.border{ border-color:rgb(242, 222, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 222, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(242, 222, 172); -webkit-box-shadow:4px 4px 4px 4px rgb(242, 222, 172); box-shadow:4px 4px 4px 4px rgb(242, 222, 172) }
```

Background

The CSS property to change the background color of an element to RYB 200, 242, 172 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 222, 172) }
```

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

```
.background{ background-color: rgb(242,  
222, 172) }
```

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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