

Converting Colors

`RYB(207, 230, 172)`

Have a look what the booklet for
RYB(207, 230, 172) contains.

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Color

$\text{RYB}(207, 230, 172)$

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | E6D0AC |
| RGB | 230, 208, 172 |
| RGB Percent | 90%, 82%, 67% |
| CMY | 0.0980, 0.1836, 0.3255 |
| CMYK | 0.00, 0.09, 0.25, 0.10 |
| HSL | 37°, 54%, 79% |
| HSV | 37°, 25%, 90% |
| XYZ | 62.6774, 64.9972, 48.2720 |
| YIQ | 210.4740, 24.6680, -6.5320 |

Conversions

Conversions Part 2

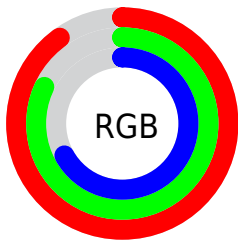
| Format | Color |
|-------------------------------------|--------------------------------|
| R _Y B | 207, 230, 172 |
| Decimal | 15126700 |
| CIE Lab | 84.48, 2.09, 20.74 |
| CIE LCh | 84, 20.849, 84.242 |
| Yxy | 64.9972, 0.3562, 0.3694 |
| Android (android.graphics.Color) | 4293316780 (0xFFE6D0AC) |
| YUV | 210.4740, -18.9677, 17.1243 |
| Hunter-Lab | 80.6209, -2.3146, 20.9345 |

Details

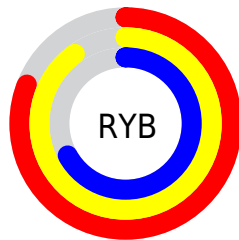
The RYB color **207, 230, 172** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **172, 188, 230**, and the grayscale version is **211, 211, 211**.

A 20% lighter version of the original color is **227, 255, 227**, and **152, 174, 120** is the 20% darker color. If you saturate the color by 10%, you get **197, 230, 149**, and if you desaturate by 10%, it is **216, 230, 195**.

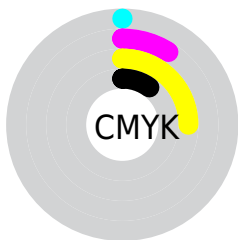
Distribution



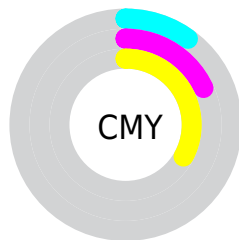
- Red (90%)
- Green (82%)
- Blue (67%)



- Red (81%)
- Yellow (90%)
- Blue (67%)



- Cyan (0%)
- Magenta (9%)
- Yellow (25%)
- Black (10%)



- Cyan (10%)
- Magenta (18%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the RYB color 207, 230, 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 207, 230, 172 by changing the saturation by 10% instead.


 207, 230, 172


 207, 230, 172

255, 255, 255

 178, 202, 145


 227, 255, 227

 152, 174, 120


 125, 147, 95

 99, 121, 71

 72, 95, 48

 49, 71, 26

 19, 48, 1

 17, 24, 0

 0, 0, 0

 207, 230, 172

 207, 230, 172

 197, 230, 149


 216, 230, 195

 188, 230, 126


 227, 230, 218

 180, 230, 103


 230, 233, 241

 169, 230, 80


 230, 239, 255

 161, 230, 57

 230, 241, 255

 153, 230, 34

 230, 243, 255

 142, 230, 11

 140, 230, 0

Harmonies

Analogous

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



245, 213, 180



207, 230, 172



175, 215, 181

Triad

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



207, 230, 172



158, 191, 226



233, 201, 234

Complementary

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



207, 230, 172



172, 188, 230

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.



210, 207, 247



207, 230, 172



164, 196, 242

Square

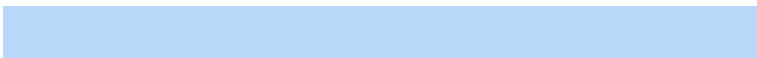
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



207, 230, 172



167, 199, 222



184, 205, 249



248, 197, 215

Rectangle

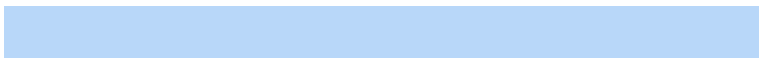
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



207, 230, 172



182, 218, 206



184, 205, 249



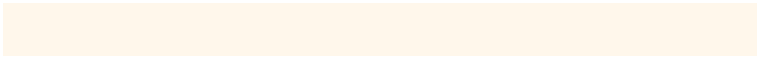
226, 203, 239

Sweetspot

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



207, 230, 172



248, 255, 235



230, 172, 194



123, 128, 115



0, 0, 0



128, 128, 128

Same Dimension

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



207, 230, 172



226, 255, 179



172, 230, 179



112, 115, 103



110, 179, 0



30, 51, 0

Inverse Universe

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



172, 188, 230



179, 199, 255



179, 172, 230



103, 107, 115



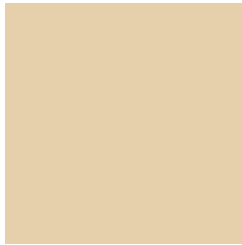
0, 49, 179



0, 14, 51

Previews

White Background



This preview shows how the RYB color 207, 230, 172 looks on a white background.

Color Contrast Check

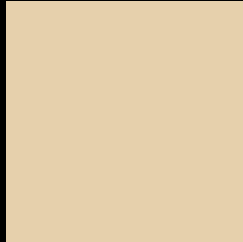
Large Text (above 18pt) WCAG AA × Fail

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 207, 230, 172 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

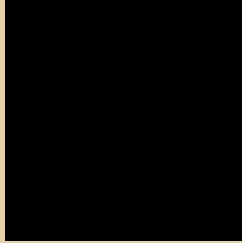
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

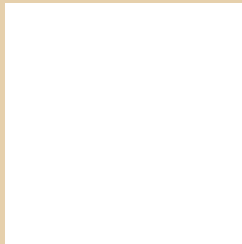
Any Text WCAG AAA ✓ Pass

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

RYB 207, 230, 172 Background



This preview shows how black text looks on a background with the RYB color 207, 230, 172.



This preview shows how white text looks on a background with the RYB color 207, 230, 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
[207, 230, 172](#)

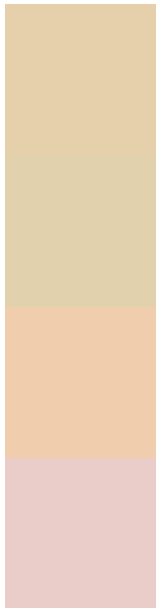
Protanopia
[191, 223, 173](#)

Deuteranopia
[244, 225, 173](#)



Tritanopia
236, 202, 218

Trichromacy



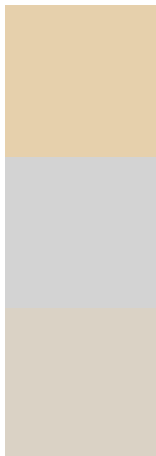
Original Color
207, 230, 172

Protanomaly
198, 226, 173

Deuteranomaly
239, 235, 173

Tritanomaly
234, 204, 201

Monochromacy



Original Color
207, 230, 172

Achromatopsia
211, 211, 211

Achromatomaly
210, 218, 197

CSS Examples

Text

The CSS property to change the color of the text to RYB 207, 230, 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(230, 208, 172) looks like.

```
.text, #text, p{  
    color:rgb(230, 208, 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(230, 208, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 208, 172) }
```

Border

The CSS property to change the border of an element to RYB 207, 230, 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(230, 208, 172) }
```

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

```
.border{ border-color:rgb(230, 208, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 208, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 208, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 208, 172);  
box-shadow:4px 4px 4px 4px rgb(230, 208,  
172) }
```

Background

The CSS property to change the background color of an element to RYB 207, 230, 172 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 208, 172) }
```

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

```
.background{ background-color: rgb(230,  
208, 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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