

Converting Colors

`RYB(171, 232, 150)`

Have a look what the booklet for
RYB(171, 232, 150) contains.

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Color

R_YB(171, 232, 150)

Conversions

Conversions Part 1

Format	Color
Hex	E8D796
RGB	232, 215, 150
RGB Percent	91%, 84%, 59%
CMY	0.0902, 0.1558, 0.4118
CMYK	0.00, 0.07, 0.35, 0.09
HSL	48°, 64%, 75%
HSV	48°, 35%, 91%
XYZ	63.1559, 68.1022, 38.6705
YIQ	212.6730, 30.9970, -16.6110

Conversions

Conversions Part 2

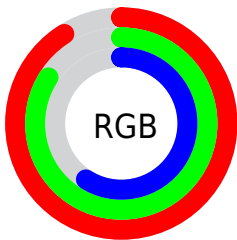
Format	Color
RYB	171, 232, 150
Decimal	15259542
CIELab	86.06, -3.59, 34.33
CIElCh	86, 34.514, 95.976
Yxy	68.1022, 0.3717, 0.4008
Android (android.graphics.Color)	4293449622 (0xFFE8D796)
YUV	212.6730, -30.8978, 16.9498
Hunter-Lab	82.5241, -7.8105, 29.9837

Details

The RYB color **171, 232, 150** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **150, 164, 232**, and the grayscale version is **213, 213, 213**.

A 20% lighter version of the original color is **205, 255, 205**, and **117, 175, 98** is the 20% darker color. If you saturate the color by 10%, you get **153, 232, 127**, and if you desaturate by 10%, it is **188, 232, 173**.

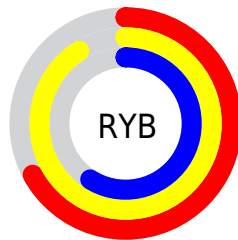
Distribution



Red (91%)

Green (84%)

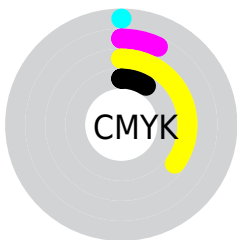
Blue (59%)



Red (67%)

Yellow (91%)

Blue (59%)

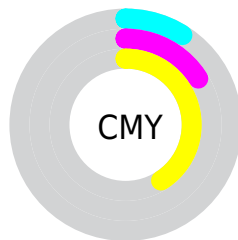


Cyan (0%)

Magenta (7%)

Yellow (35%)

Black (9%)



Cyan (9%)


Magenta (16%)

Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the RYB color 171, 232, 150 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 171, 232, 150 by changing the saturation by 10% instead.

 171, 232, 150

255, 255, 255


 205, 255, 205


 233, 255, 233

 171, 232, 150


 143, 203, 124

 115, 175, 98

 90, 148, 74

 64, 121, 50

 38, 95, 26

 11, 70, 2

 7, 46, 0

 0, 21, 0

 0, 0, 0

 171, 232, 150

 171, 232, 150

 153, 232, 127


 188, 232, 173

 137, 232, 104

 205, 232, 196

 119, 232, 80

 224, 232, 220

 102, 232, 57

 232, 234, 243

 84, 232, 34

 232, 237, 255

 68, 232, 11

 232, 240, 255

 59, 232, 0

 232, 241, 255

 232, 243, 255

 232, 244, 255

Harmonies

Analogous

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



255, 249, 156



171, 232, 150



162, 225, 191

Triad

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



171, 232, 150



112, 177, 252



255, 195, 243

Complementary

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



171, 232, 150



150, 164, 232

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.



228, 205, 255



171, 232, 150



137, 188, 255

Square

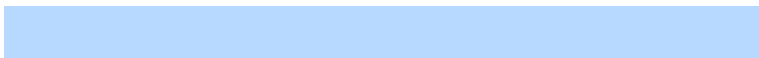
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



171, 232, 150



125, 182, 233



183, 206, 255



255, 191, 210

Rectangle

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



171, 232, 150



171, 223, 229



183, 206, 255



253, 198, 252

Sweetspot

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



171, 232, 150



235, 255, 227



232, 150, 168



116, 128, 111



0, 0, 0



128, 128, 128

Same Dimension

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



171, 232, 150



176, 255, 148



150, 232, 173



107, 115, 103



47, 179, 0



12, 51, 0

Inverse Universe

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



150, 164, 232



148, 166, 255



173, 150, 232



103, 105, 115



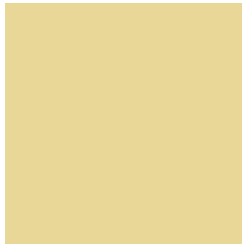
0, 30, 179



0, 8, 51

Previews

White Background



This preview shows how the RYB color 171, 232, 150 looks on a white background.

Color Contrast Check

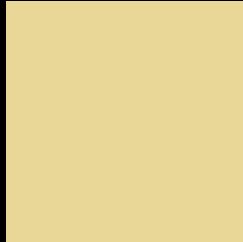
Large Text (above 18pt) WCAG AA × Fail

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 171, 232, 150 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

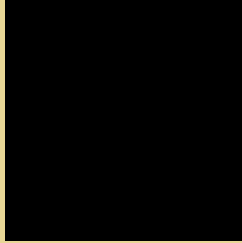
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

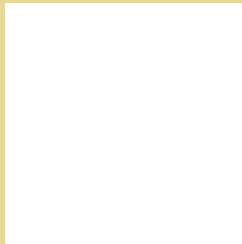
Any Text WCAG AAA ✓ Pass

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

RYB 171, 232, 150 Background



This preview shows how black text looks on a background with the RYB color 171, 232, 150.

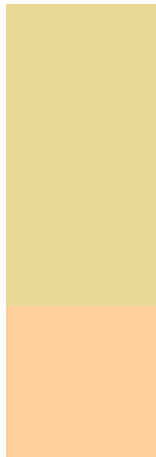


This preview shows how white text looks on a background with the RYB color 171, 232, 150.

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
171, 232, 150

Protanopia
171, 232, 150

Deuteranopia
249, 255, 154



Tritanopia
240, 206, 222

Trichromacy



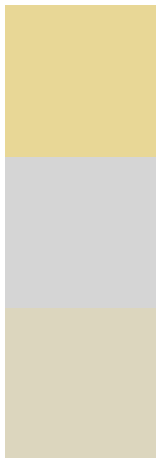
Original Color
171, 232, 150

Protanomaly
171, 232, 150

Deuteranomaly
217, 247, 153

Tritanomaly
237, 215, 196

Monochromacy



Original Color
171, 232, 150

Achromatopsia
213, 213, 213

Achromatomaly
198, 220, 190

CSS Examples

Text

The CSS property to change the color of the text to RYB 171, 232, 150 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(232, 215, 150) looks like.

```
.text, #text, p{  
    color:rgb(232, 215, 150)  
}
```

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(232, 215, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 215, 150) }
```

Border

The CSS property to change the border of an element to RYB 171, 232, 150 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(232, 215, 150) }
```

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

```
.border{ border-color:rgb(232, 215, 150) }
```

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

Here you see how a box with a 4 pixel rgb(232, 215, 150) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 215, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 215, 150);  
box-shadow:4px 4px 4px 4px rgb(232, 215,  
150) }
```

Background

The CSS property to change the background color of an element to RYB 171, 232, 150 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 215, 150) }
```

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

```
.background{ background-color: rgb(232,  
215, 150) }
```

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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