

Converting Colors

`RYB(167, 230, 160)`

Have a look what the booklet for
RYB(167, 230, 160) contains.

RYB(167, 230, 160)	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(167, 230, 160)

Conversions

Conversions Part 1

Format	Color
Hex	E6E0A0
RGB	230, 224, 160
RGB Percent	90%, 88%, 63%
CMY	0.0980, 0.1230, 0.3725
CMYK	0.00, 0.03, 0.30, 0.10
HSL	55°, 58%, 76%
HSV	55°, 30%, 90%
XYZ	65.5363, 72.4771, 43.7931
YIQ	218.4980, 24.1200, -18.6320

Conversions

Conversions Part 2

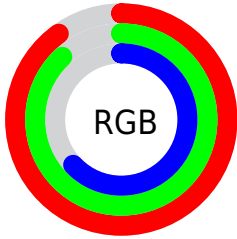
Format	Color
RYB	167, 230, 160
Decimal	15130784
CIELab	88.20, -7.40, 32.02
CIELCh	88, 32.865, 103.020
Yxy	72.4771, 0.3605, 0.3986
Android (android.graphics.Color)	4293320864 (0xFFE6E0A0)
YUV	218.4980, -28.8395, 10.0873
Hunter-Lab	85.1335, -11.5731, 29.0944

Details

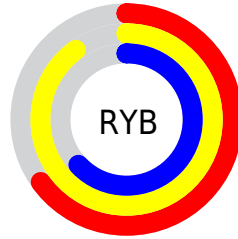
The RYB color **167, 230, 160** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **160, 166, 230**, and the grayscale version is **219, 219, 219**.

A 20% lighter version of the original color is **215, 255, 215**, and **113, 174, 108** is the 20% darker color. If you saturate the color by 10%, you get **146, 230, 137**, and if you desaturate by 10%, it is **187, 230, 183**.

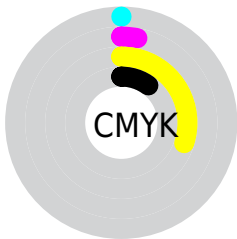
Distribution



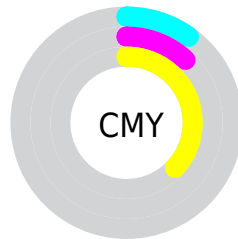
- Red (90%)
- Green (88%)
- Blue (63%)



- Red (65%)
- Yellow (90%)
- Blue (63%)



- Cyan (0%)
- Magenta (3%)
- Yellow (30%)
- Black (10%)



- Cyan (10%)
- Magenta (12%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the RYB color 167, 230, 160 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 167, 230, 160 by changing the saturation by 10% instead.

 167, 230, 160

 167, 230, 160


255, 255, 255


 139, 201, 134

 215, 255, 215


 113, 174, 108


 244, 255, 244

 87, 146, 83

 62, 120, 59

 38, 94, 36

 13, 70, 12

 1, 47, 0

 0, 26, 4

 0, 0, 0

 167, 230, 160


 167, 230, 160

 146, 230, 137

 187, 230, 183

 126, 230, 114

 208, 230, 206

 105, 230, 91

 229, 230, 229

 85, 230, 68


 230, 232, 252

 64, 230, 45

 230, 233, 255

 43, 230, 22

 230, 235, 255

 23, 230, 0

 230, 236, 255

 230, 237, 255

 230, 238, 255

Harmonies

Analogous

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



239, 255, 162



167, 230, 160



175, 232, 212

Triad

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



167, 230, 160



129, 187, 255



255, 200, 240

Complementary

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



167, 230, 160



160, 166, 230

Split Complementary

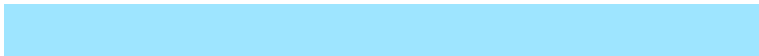
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



243, 209, 255



167, 230, 160



158, 199, 255

Square

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



167, 230, 160



132, 187, 239



201, 215, 255



255, 198, 209

Rectangle

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



167, 230, 160



171, 220, 236



201, 215, 255



255, 203, 250

Sweetspot

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



167, 230, 160



234, 255, 232



230, 160, 167



115, 128, 113



0, 0, 0



128, 128, 128

Same Dimension

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



167, 230, 160



171, 255, 161



160, 230, 188



104, 115, 103



19, 179, 0



6, 51, 0

Inverse Universe

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



160, 166, 230



161, 168, 255



188, 160, 230



103, 104, 115



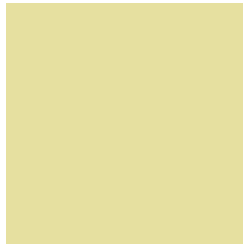
0, 15, 179



0, 5, 51

Previews

White Background



This preview shows how the RYB color 167, 230, 160 looks on a white background.

Color Contrast Check

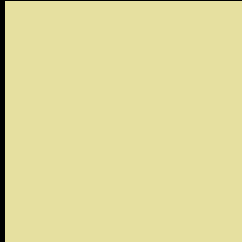
Large Text (above 18pt) WCAG AA × Fail

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 167, 230, 160 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

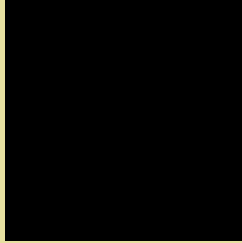
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

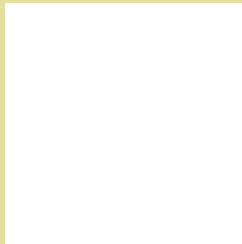
Any Text WCAG AAA ✓ Pass

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

RYB 167, 230, 160 Background



This preview shows how black text looks on a background with the RYB color 167, 230, 160.



This preview shows how white text looks on a background with the RYB color 167, 230, 160.

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
167, 230, 160

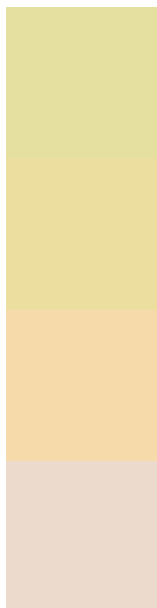
Protanopia
181, 238, 159

Deuteranopia
255, 251, 175



Tritanopia
239, 214, 231

Trichromacy



Original Color

167, 230, 160

Protanomaly

175, 235, 159

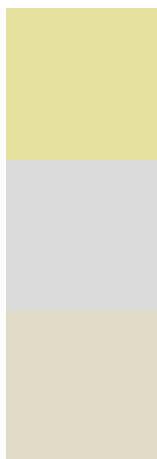
Deuteranomaly

214, 246, 170

Tritanomaly

236, 227, 205

Monochromacy



Original Color

167, 230, 160

Achromatopsia

218, 218, 218

Achromatomaly

199, 222, 197

CSS Examples

Text

The CSS property to change the color of the text to RYB 167, 230, 160 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, 224, 160)` looks like.

```
.text, #text, p{  
    color:rgb(230, 224, 160)  
}
```

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, 224, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 224, 160) }
```

Border

The CSS property to change the border of an element to RYB 167, 230, 160 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, 224, 160) }
```

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

```
.border{ border-color:rgb(230, 224, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 224, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 224, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 224, 160);  
box-shadow:4px 4px 4px 4px rgb(230, 224,  
160) }
```

Background

The CSS property to change the background color of an element to RYB 167, 230, 160 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 224, 160) }
```

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

```
.background{ background-color: rgb(230,  
224, 160) }
```

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