

Converting Colors

`RYB(152, 230, 170)`

Have a look what the booklet for
RYB(152, 230, 170) contains.

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Color

R_YB(152, 230, 170)

Conversions

Conversions Part 1

Format	Color
Hex	D4E698
RGB	212, 230, 152
RGB Percent	83%, 90%, 60%
CMY	0.1686, 0.0980, 0.4039
CMYK	0.08, 0.00, 0.34, 0.10
HSL	74°, 61%, 75%
HSV	74°, 34%, 90%
XYZ	61.1157, 72.8577, 40.5476
YIQ	215.7260, 14.3100, -28.0740

Conversions

Conversions Part 2

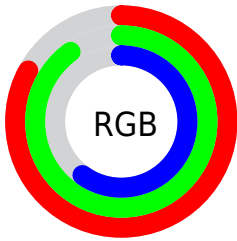
Format	Color
RYB	152, 230, 170
Decimal	13952664
CIELab	88.38, -18.35, 36.07
CIELCh	88, 40.475, 116.964
Yxy	72.8577, 0.3502, 0.4175
Android (android.graphics.Color)	4292142744 (0xFFD4E698)
YUV	215.7260, -31.4169, -3.2677
Hunter-Lab	85.3567, -21.5676, 31.5848

Details

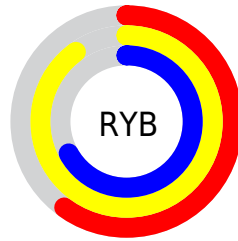
The RYB color **152, 230, 170** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **170, 152, 230**, and the grayscale version is **216, 216, 216**.

A 20% lighter version of the original color is **207, 255, 207**, and **100, 174, 118** is the 20% darker color. If you saturate the color by 10%, you get **129, 230, 152**, and if you desaturate by 10%, it is **175, 230, 188**.

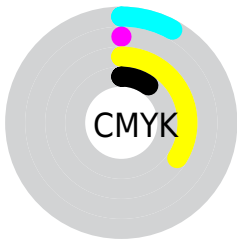
Distribution



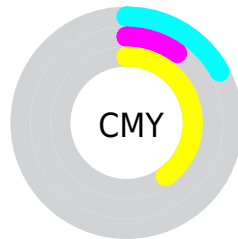
- Red (83%)
- Green (90%)
- Blue (60%)



- Red (60%)
- Yellow (90%)
- Blue (67%)



- Cyan (8%)
- Magenta (0%)
- Yellow (34%)
- Black (10%)



- Cyan (17%)
- Magenta (10%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the RYB color 152, 230, 170 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 152, 230, 170 by changing the saturation by 10% instead.

 152, 230, 170


255, 255, 255

 207, 255, 207


 235, 255, 235

 152, 230, 170

 126, 202, 144

 100, 174, 118

 75, 148, 93

 51, 122, 69

 27, 97, 46

 1, 73, 20

 0, 51, 20

 0, 30, 30

 0, 0, 0

 152, 230, 170

 152, 230, 170

 129, 230, 152

 175, 230, 188

 106, 230, 135

 198, 230, 205

 83, 230, 117

 221, 230, 223

 60, 230, 99

 233, 230, 244

 37, 230, 82

 239, 230, 255

 14, 230, 64

 244, 230, 255

 0, 230, 53

 249, 230, 255

 254, 230, 255

 255, 230, 255

Harmonies

Analogous

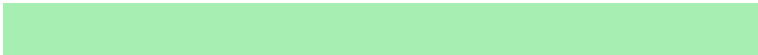
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



195, 252, 145



152, 230, 170



167, 228, 238

Triad

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



152, 230, 170



107, 176, 255



255, 193, 227

Complementary

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



152, 230, 170



170, 152, 230

Split Complementary

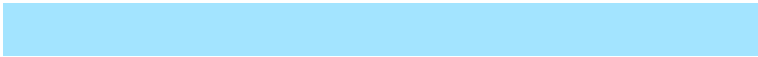
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



255, 200, 255



152, 230, 170



163, 201, 255

Square

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



152, 230, 170



88, 168, 255



221, 213, 255



255, 196, 189

Rectangle

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



152, 230, 170



136, 201, 242



221, 213, 255



255, 194, 240

Sweetspot

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



152, 230, 170



230, 255, 236



230, 174, 152



112, 128, 116



0, 0, 0



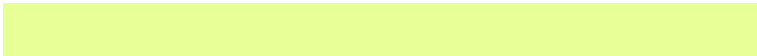
128, 128, 128

Same Dimension

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



152, 230, 170



150, 255, 174



152, 230, 208



103, 115, 106



0, 179, 42



0, 51, 12

Inverse Universe

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



170, 152, 230



175, 150, 255



208, 152, 230



106, 103, 115



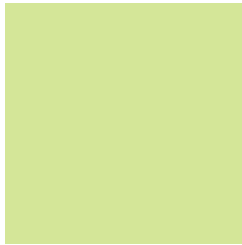
41, 0, 179



12, 0, 51

Previews

White Background



This preview shows how the RYB color 152, 230, 170 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 152, 230, 170 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

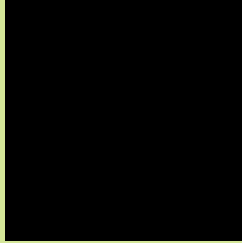
Any Text WCAG AA ✓ Pass

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 152, 230, 170 Background



This preview shows how black text looks on a background with the RYB color 152, 230, 170.

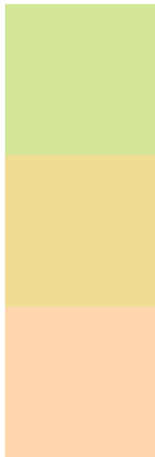


This preview shows how white text looks on a background with the RYB color 152, 230, 170.

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](#).

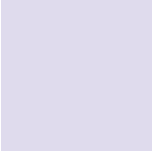
Dichromacy



Original Color
152, 230, 170

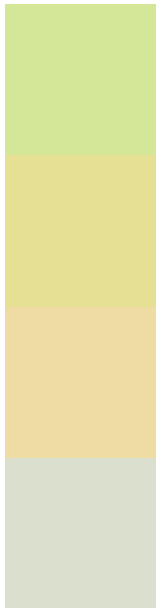
Protanopia
172, 240, 148

Deuteranopia
255, 255, 173



Tritanopia
223, 219, 237

Trichromacy



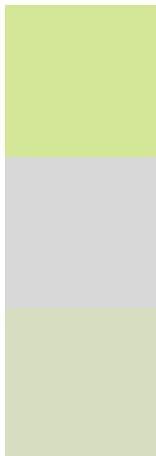
Original Color
152, 230, 170

Protanomaly
155, 230, 149

Deuteranomaly
191, 239, 165

Tritanomaly
206, 223, 210

Monochromacy



Original Color
152, 230, 170

Achromatopsia
216, 216, 216

Achromatomaly
193, 221, 199

CSS Examples

Text

The CSS property to change the color of the text to RYB 152, 230, 170 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(212, 230, 152)` looks like.

```
.text, #text, p{  
    color:rgb(212, 230, 152)  
}
```

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(212, 230, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 230, 152) }
```

Border

The CSS property to change the border of an element to RYB 152, 230, 170 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(212, 230, 152) }
```

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

```
.border{ border-color:rgb(212, 230, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 230, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 230, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 230, 152);  
box-shadow:4px 4px 4px 4px rgb(212, 230,  
152) }
```

Background

The CSS property to change the background color of an element to RYB 152, 230, 170 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 230, 152) }
```

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

```
.background{ background-color: rgb(212,  
230, 152) }
```

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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