

Converting Colors

`RYB(152, 233, 202)`

Have a look what the booklet for
RYB(152, 233, 202) contains.

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Color

$\text{RYB}(152, 233, 202)$

Conversions

Conversions Part 1

Format	Color
Hex	B7E998
RGB	183, 233, 152
RGB Percent	72%, 91%, 60%
CMY	0.2824, 0.0863, 0.4039
CMYK	0.21, 0.00, 0.35, 0.09
HSL	97°, 65%, 75%
HSV	97°, 35%, 91%
XYZ	54.3348, 70.6121, 40.4715
YIQ	208.8160, -3.7990, -35.7910

Conversions

Conversions Part 2

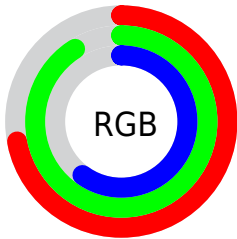
Format	Color
RYB	152, 233, 202
Decimal	12052888
CIELab	87.30, -30.27, 34.30
CIElCh	87, 45.746, 131.434
Yxy	70.6121, 0.3285, 0.4269
Android (android.graphics.Color)	4290242968 (0xFFB7E998)
YUV	208.8160, -28.0103, -22.6406
Hunter-Lab	84.0310, -31.6353, 30.2661

Details

The RYB color **152, 233, 202** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **202, 152, 233**, and the grayscale version is **209, 209, 209**.

A 20% lighter version of the original color is **207, 255, 222**, and **100, 177, 148** is the 20% darker color. If you saturate the color by 10%, you get **129, 233, 193**, and if you desaturate by 10%, it is **175, 233, 211**.

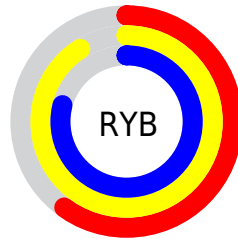
Distribution



Red (72%)

Green (91%)

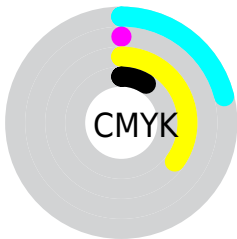
Blue (60%)



Red (60%)

Yellow (91%)

Blue (79%)

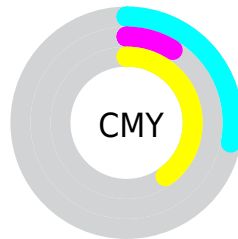


Cyan (21%)

Magenta (0%)

Yellow (35%)

Black (9%)



Cyan (28%)

Magenta (9%)

Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the RYB color 152, 233, 202 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, 233, 202 by changing the saturation by 10% instead.

 152, 233, 202


255, 255, 255


 207, 255, 222


 235, 255, 235

 152, 233, 202

 126, 205, 176

 100, 177, 148


 75, 150, 123

 51, 124, 98

 27, 99, 75

 1, 75, 51

 0, 51, 51

 0, 33, 33

 0, 0, 0

 152, 233, 202

 152, 233, 202

 129, 233, 193

 175, 233, 211


 105, 233, 184

 199, 233, 220

 82, 233, 175

 222, 233, 229

 59, 233, 167

 241, 233, 245

 36, 233, 158

 255, 233, 255

 12, 233, 148

 0, 233, 144

Harmonies

Analogous

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



143, 231, 132



152, 233, 202



128, 200, 240

Triad

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



152, 233, 202



107, 174, 255



255, 185, 204

Complementary

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



152, 233, 202



202, 152, 233

Split Complementary

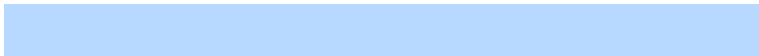
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



255, 188, 247



152, 233, 202



183, 206, 255

Square

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



152, 233, 202



27, 137, 255



245, 201, 255



255, 208, 163

Rectangle

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



152, 233, 202



87, 171, 242



245, 201, 255



255, 185, 218

Sweetspot

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



152, 233, 202



230, 255, 246



202, 233, 152



112, 128, 122



0, 0, 0



128, 128, 128

Same Dimension

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



152, 233, 202



148, 255, 214



152, 225, 233



106, 117, 113



0, 181, 112



0, 54, 34

Inverse Universe

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



202, 152, 233



214, 148, 255



233, 152, 224



113, 106, 117



112, 0, 181



33, 0, 54

Previews

White Background



This preview shows how the RYB color 152, 233, 202 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, 233, 202 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

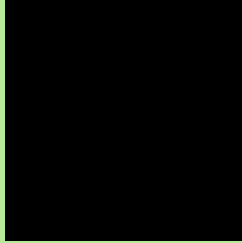
Any Text WCAG AA ✓ Pass

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, 233, 202 Background



This preview shows how black text looks on a background with the RYB color 152, 233, 202.

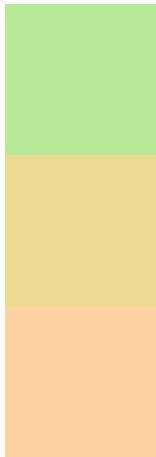


This preview shows how white text looks on a background with the RYB color 152, 233, 202.

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](#).

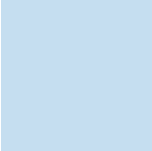
Dichromacy



Original Color
152, 233, 202

Protanopia
169, 236, 146

Deuteranopia
253, 255, 164



Tritanopia
197, 213, 240

Trichromacy



Original Color

152, 233, 202



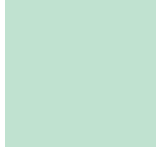
Protanomaly

148, 223, 154



Deuteranomaly

173, 229, 160



Tritanomaly

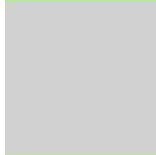
192, 215, 226

Monochromacy



Original Color

152, 233, 202



Achromatopsia

209, 209, 209



Achromatomaly

188, 218, 206

CSS Examples

Text

The CSS property to change the color of the text to RYB 152, 233, 202 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(183, 233, 152)` looks like.

```
.text, #text, p{  
    color:rgb(183, 233, 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(183, 233, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 233, 152) }
```

Border

The CSS property to change the border of an element to RYB 152, 233, 202 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(183, 233, 152) }
```

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

```
.border{ border-color:rgb(183, 233, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 233, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 233, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 233, 152);  
box-shadow:4px 4px 4px 4px rgb(183, 233,  
152) }
```

Background

The CSS property to change the background color of an element to RYB 152, 233, 202 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 233, 152) }
```

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

```
.background{ background-color: rgb(183,  
233, 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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