

Converting Colors

`RYB(122, 221, 191)`

Have a look what the booklet for
RYB(122, 221, 191) contains.

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Color

R_YB(122, 221, 191)

Conversions

Conversions Part 1

Format	Color
Hex	98DD7A
RGB	152, 221, 122
RGB Percent	60%, 87%, 48%
CMY	0.4039, 0.1333, 0.5216
CMYK	0.31, 0.00, 0.45, 0.13
HSL	102°, 59%, 67%
HSV	102°, 45%, 87%
XYZ	42.3182, 59.7934, 27.7232
YIQ	189.0830, -9.3450, -45.4170

Conversions

Conversions Part 2

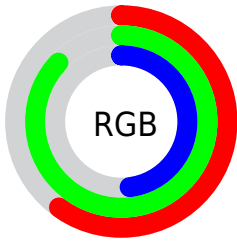
Format	Color
RYB	122, 221, 191
Decimal	10018170
CIELab	81.73, -39.43, 41.73
CIELCh	82, 57.415, 133.380
Yxy	59.7934, 0.3259, 0.4605
Android (android.graphics.Color)	4288208250 (0xFF98DD7A)
YUV	189.0830, -33.0719, -32.5218
Hunter-Lab	77.3262, -37.6335, 32.8715

Details

The RYB color **122, 221, 191** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **191, 122, 221**, and the grayscale version is **189, 189, 189**.

A 20% lighter version of the original color is **176, 255, 222**, and **71, 165, 139** is the 20% darker color. If you saturate the color by 10%, you get **100, 221, 184**, and if you desaturate by 10%, it is **144, 221, 198**.

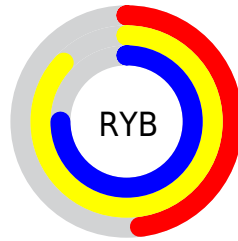
Distribution



Red (60%)

Green (87%)

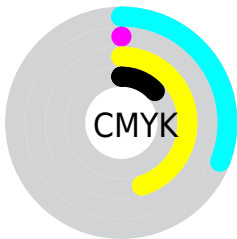
Blue (48%)



Red (48%)

Yellow (87%)

Blue (75%)

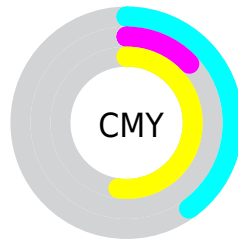


Cyan (31%)

Magenta (0%)

Yellow (45%)

Black (13%)



Cyan (40%)

Magenta (13%)

Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the RYB color 122, 221, 191 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 122, 221, 191 by changing the saturation by 10% instead.

 122, 221, 191


255, 255, 255


 176, 255, 222


 204, 255, 221

 232, 255, 232


 122, 221, 191


 96, 193, 164

 71, 165, 139


 46, 139, 115

 19, 113, 89

 0, 88, 82

 0, 64, 64


 0, 42, 42

 0, 12, 12

 0, 0, 0

 122, 221, 191

 122, 221, 191

 100, 221, 184

 144, 221, 198

 78, 221, 178

 166, 221, 204

 56, 221, 171

 188, 221, 211

 34, 221, 165

 210, 221, 217

 12, 221, 158

 229, 221, 233

 0, 221, 154

 244, 221, 255

 255, 221, 255

Harmonies

Analogous

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



98, 212, 94



122, 221, 191



65, 164, 228

Triad

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



122, 221, 191



0, 117, 255



255, 158, 181

Complementary

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



122, 221, 191



191, 122, 221

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, 162, 235



122, 221, 191



157, 187, 255

Square

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



122, 221, 191



0, 120, 255



239, 180, 255



255, 187, 132

Rectangle

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



122, 221, 191



0, 122, 231



239, 180, 255



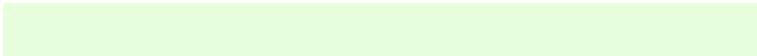
255, 158, 199

Sweetspot

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



122, 221, 191



222, 255, 245



167, 221, 122



107, 128, 122



0, 0, 0



128, 128, 128

Same Dimension

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



122, 221, 191



117, 255, 213



122, 206, 221



99, 110, 107



0, 173, 120



0, 46, 32

Inverse Universe

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



191, 122, 221



213, 117, 255



221, 122, 203



106, 99, 110



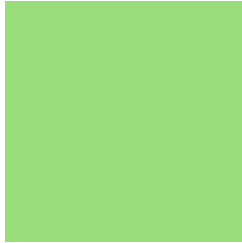
121, 0, 173



32, 0, 46

Previews

White Background



This preview shows how the RYB color 122, 221, 191 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 122, 221, 191 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 122, 221, 191 Background



This preview shows how black text looks on a background with the RYB color 122, 221, 191.

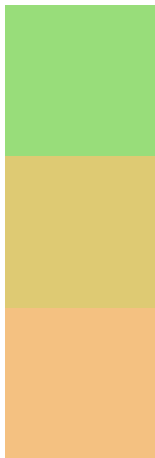


This preview shows how white text looks on a background with the RYB color 122, 221, 191.

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](#).

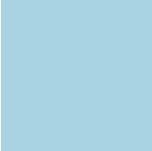
Dichromacy



Original Color
122, 221, 191

Protanopia
140, 222, 115

Deuteranopia
221, 244, 129



Tritanopia
169, 193, 226

Trichromacy



Original Color

122, 221, 191



Protanomaly

118, 209, 130



Deuteranomaly

135, 211, 126



Tritanomaly

163, 196, 213

Monochromacy



Original Color

122, 221, 191



Achromatopsia

189, 189, 189



Achromatomaly

165, 201, 190

CSS Examples

Text

The CSS property to change the color of the text to RYB 122, 221, 191 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(152, 221, 122)` looks like.

```
.text, #text, p{  
    color:rgb(152, 221, 122)  
}
```

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(152, 221, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 221, 122) }
```

Border

The CSS property to change the border of an element to RYB 122, 221, 191 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(152, 221, 122) }
```

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

```
.border{ border-color:rgb(152, 221, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 221, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(152, 221, 122); -webkit-box-shadow:4px 4px 4px 4px rgb(152, 221, 122); box-shadow:4px 4px 4px 4px rgb(152, 221, 122) }
```

Background

The CSS property to change the background color of an element to RYB 122, 221, 191 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 221, 122) }
```

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

```
.background{ background-color: rgb(152,  
221, 122) }
```

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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