

# Converting Colors

`RYB(172, 227, 202)`

Have a look what the booklet for  
RYB(172, 227, 202) contains.

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# **Color**

**$\text{RYB}(172, 227, 202)$**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C5E3AC
RGB	197, 227, 172
RGB Percent	77%, 89%, 67%
CMY	0.2275, 0.1098, 0.3255
CMYK	0.13, 0.00, 0.24, 0.11
HSL	93°, 50%, 78%
HSV	93°, 24%, 89%
XYZ	57.9414, 69.7870, 49.4461
YIQ	211.7600, -0.2250, -23.4650

# Conversions

## Conversions Part 2

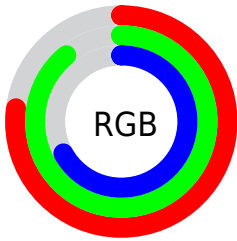
Format	Color
<b>RYB</b>	172, 227, 202
Decimal	12968876
CIELab	86.89, -19.55, 23.67
CIELCh	87, 30.699, 129.546
Yxy	69.7870, 0.3270, 0.3939
Android (android.graphics.Color)	4291158956 (0xFFC5E3AC)
YUV	211.7600, -19.6017, -12.9445
Hunter-Lab	83.5386, -22.3871, 23.3836

# Details

The RYB color **172, 227, 202** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **202, 172, 227**, and the grayscale version is **212, 212, 212**.

A 20% lighter version of the original color is **228, 255, 229**, and **119, 172, 148** is the 20% darker color. If you saturate the color by 10%, you get **149, 227, 191**, and if you desaturate by 10%, it is **195, 227, 213**.

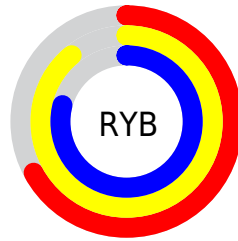
# Distribution



Red (77%)

Green (89%)

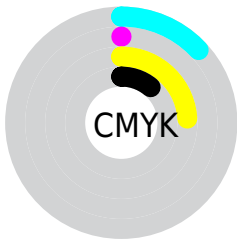
Blue (67%)



Red (67%)

Yellow (89%)

Blue (79%)

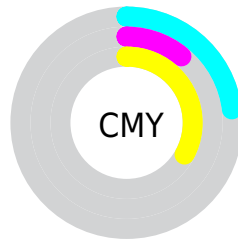


Cyan (13%)

Magenta (0%)

Yellow (24%)

Black (11%)



Cyan (23%)

Magenta (11%)

Yellow (33%)

# Brightness & Saturation Gradients

These gradients show how the RYB color 172, 227, 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 172, 227, 202 by changing the saturation by 10% instead.



 172, 227, 202


255, 255, 255


 228, 255, 229

 172, 227, 202

 145, 199, 175

 119, 172, 148

 94, 145, 122

 70, 119, 97

 47, 94, 74

 25, 71, 52

 1, 48, 27

 0, 28, 28

 0, 0, 0

 172, 227, 202

 172, 227, 202

 149, 227, 191

 195, 227, 213

 127, 227, 182

 217, 227, 222

 104, 227, 171

 234, 227, 240

 81, 227, 161

 247, 227, 255

 59, 227, 151

 255, 227, 255

 36, 227, 140

 13, 227, 130

 0, 227, 124

# Harmonies

## Analogous

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



173, 230, 160



172, 227, 202



164, 210, 232

# Triad

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



172, 227, 202



155, 197, 255



255, 196, 209

# Complementary

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



172, 227, 202



202, 172, 227

# 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, 199, 239



172, 227, 202



195, 211, 255

# Square

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



172, 227, 202



132, 187, 254



234, 207, 255



255, 206, 182

# Rectangle

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



172, 227, 202



145, 195, 234



234, 207, 255



255, 196, 219



# Sweetspot

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



172, 227, 202



237, 255, 247



221, 227, 172



117, 128, 123



0, 0, 0



128, 128, 128

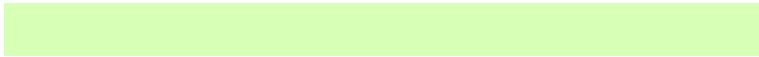


# Same Dimension

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



172, 227, 202



181, 255, 221



172, 225, 227



103, 115, 110



0, 179, 98



0, 51, 28



# Inverse Universe

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



202, 172, 227



221, 181, 255



227, 172, 225



110, 103, 115



97, 0, 179

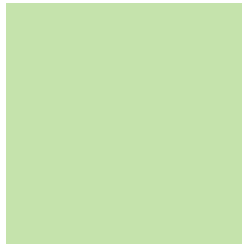


28, 0, 51



# Previews

## White Background



This preview shows how the RYB color 172, 227, 202 looks on a white background.

## Color Contrast Check

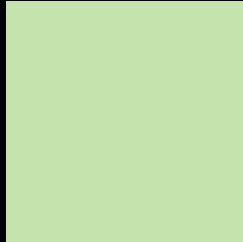
Large Text (above 18pt) WCAG AA × Fail

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 172, 227, 202 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

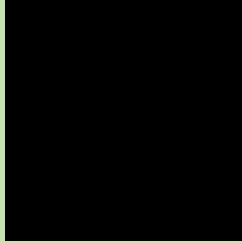
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

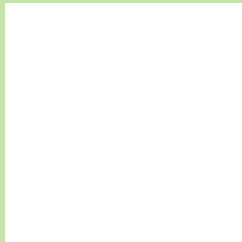
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## **RYB 172, 227, 202 Background**



This preview shows how black text looks on a background with the RYB color 172, 227, 202.

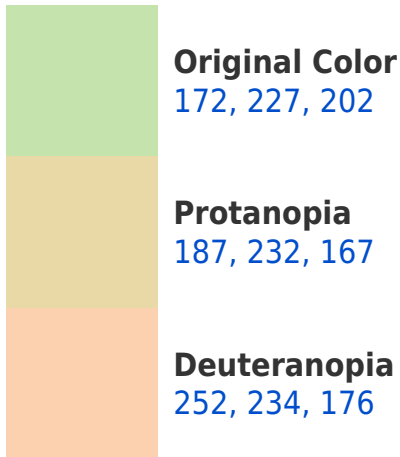


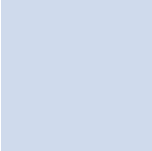
This preview shows how white text looks on a background with the RYB color 172, 227, 202.

# 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

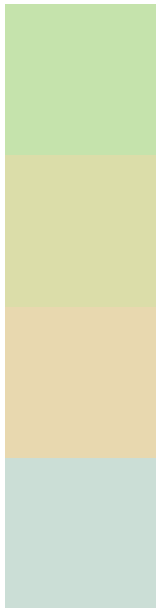




# Tritanopia

207, 215, 236

# Trichromacy



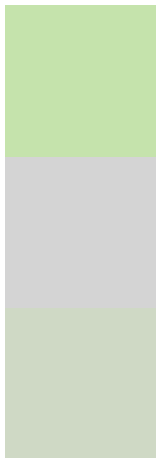
**Original Color**  
172, 227, 202

**Protanomaly**  
169, 221, 171

**Deuteranomaly**  
197, 232, 175

**Tritanomaly**  
203, 215, 222

# Monochromacy



**Original Color**  
172, 227, 202

**Achromatopsia**  
212, 212, 212

**Achromatomaly**  
197, 217, 207

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 172, 227, 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(197, 227, 172)` looks like.

```
.text, #text, p{  
    color:rgb(197, 227, 172)  
}
```

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(197, 227, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 227, 172) }
```

## Border

The CSS property to change the border of an element to RYB 172, 227, 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(197, 227, 172) }
```

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

```
.border{ border-color:rgb(197, 227, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(197, 227, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 227, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 227, 172);  
box-shadow:4px 4px 4px 4px rgb(197, 227,  
172) }
```

# Background

The CSS property to change the background color of an element to RYB 172, 227, 202 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 227, 172) }
```

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

```
.background{ background-color: rgb(197,  
227, 172) }
```

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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