

Converting Colors

`RYB(172, 232, 223)`

Have a look what the booklet for
RYB(172, 232, 223) contains.

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Color

R_YB(172, 232, 223)

Conversions

Conversions Part 1

Format	Color
Hex	B5E8AC
RGB	181, 232, 172
RGB Percent	71%, 91%, 67%
CMY	0.2902, 0.0902, 0.3255
CMYK	0.22, 0.00, 0.26, 0.09
HSL	111°, 57%, 79%
HSV	111°, 26%, 91%
XYZ	55.3591, 70.5155, 49.7229
YIQ	209.9110, -11.1360, -29.4720

Conversions

Conversions Part 2

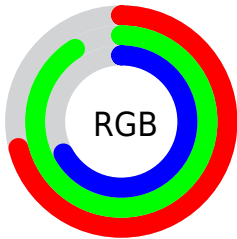
Format	Color
RYB	172, 232, 223
Decimal	11921580
CIELab	87.25, -27.48, 24.00
CIELCh	87, 36.484, 138.864
Yxy	70.5155, 0.3153, 0.4016
Android (android.graphics.Color)	4290111660 (0xFFB5E8AC)
YUV	209.9110, -18.6901, -25.3549
Hunter-Lab	83.9735, -29.2786, 23.6744

Details

The RYB color **172, 232, 223** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **223, 172, 232**, and the grayscale version is **210, 210, 210**.

A 20% lighter version of the original color is **228, 255, 245**, and **119, 176, 168** is the 20% darker color. If you saturate the color by 10%, you get **149, 232, 220**, and if you desaturate by 10%, it is **195, 232, 226**.

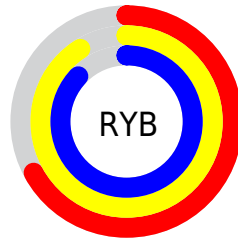
Distribution



Red (71%)

Green (91%)

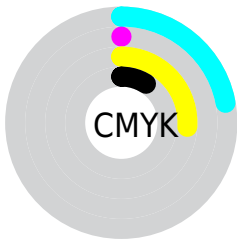
Blue (67%)



Red (67%)

Yellow (91%)

Blue (87%)

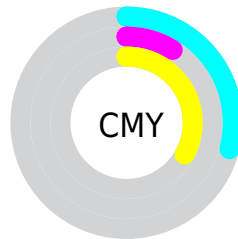


Cyan (22%)

Magenta (0%)

Yellow (26%)

Black (9%)



Cyan (29%)

Magenta (9%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the RYB color 172, 232, 223 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, 232, 223 by changing the saturation by 10% instead.

 172, 232, 223


255, 255, 255


 228, 255, 245

 172, 232, 223

 145, 204, 195

 119, 176, 168

 94, 149, 142

 70, 123, 117

 47, 98, 94

 25, 74, 73

 0, 51, 51

 0, 32, 32

 0, 0, 0

■ 172, 232, 223

■ 172, 232, 223

■ 149, 232, 220

■ 195, 232, 226

■ 126, 232, 216

■ 218, 232, 230

■ 102, 232, 212

■ 240, 232, 242

■ 79, 232, 209

■ 255, 232, 255

■ 56, 232, 206

■ 33, 232, 202

■ 10, 232, 199

■ 0, 232, 197

Harmonies

Analogous

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



152, 223, 155



172, 232, 223



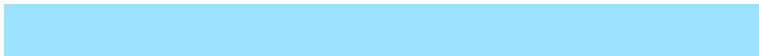
141, 199, 237

Triad

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



172, 232, 223



154, 196, 255



255, 193, 198

Complementary

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



172, 232, 223



223, 172, 232

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, 194, 233



172, 232, 223



205, 213, 255

Square

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



172, 232, 223



113, 178, 255



250, 202, 255



255, 221, 168

Rectangle

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



172, 232, 223



118, 181, 238



250, 202, 255



255, 193, 209

Sweetspot

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



172, 232, 223



235, 255, 252



183, 232, 172



115, 128, 126



0, 0, 0



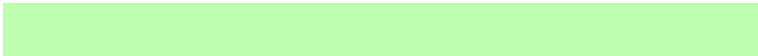
128, 128, 128

Same Dimension

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



172, 232, 223



176, 255, 243



172, 216, 232



103, 115, 113



0, 179, 152



0, 51, 43

Inverse Universe

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



223, 172, 232



243, 176, 255



232, 172, 211



113, 103, 115



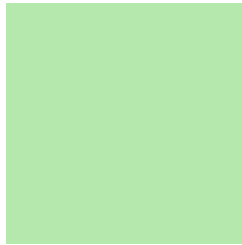
152, 0, 179



43, 0, 51

Previews

White Background



This preview shows how the RYB color 172, 232, 223 looks on a white background.

Color Contrast Check

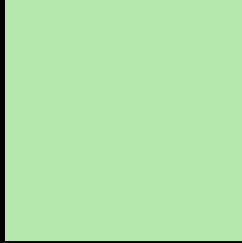
Large Text (above 18pt) WCAG AA × Fail

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, 232, 223 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, 232, 223 Background



This preview shows how black text looks on a background with the RYB color 172, 232, 223.

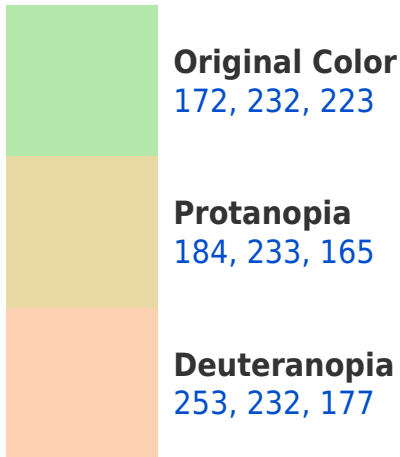


This preview shows how white text looks on a background with the RYB color 172, 232, 223.

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
193, 211, 241

Trichromacy



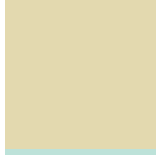
Original Color

172, 232, 223



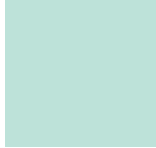
Protanomaly

168, 223, 177



Deuteranomaly

187, 227, 175



Tritanomaly

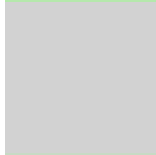
189, 210, 226

Monochromacy



Original Color

172, 232, 223



Achromatopsia

210, 210, 210



Achromatomaly

196, 218, 215

CSS Examples

Text

The CSS property to change the color of the text to RYB 172, 232, 223 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(181, 232, 172)` looks like.

```
.text, #text, p{  
    color:rgb(181, 232, 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(181, 232, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 232, 172) }
```

Border

The CSS property to change the border of an element to RYB 172, 232, 223 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(181, 232, 172) }
```

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

```
.border{ border-color:rgb(181, 232, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 232, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(181, 232, 172); -webkit-box-shadow:4px 4px 4px 4px rgb(181, 232, 172); box-shadow:4px 4px 4px 4px rgb(181, 232, 172) }
```

Background

The CSS property to change the background color of an element to RYB 172, 232, 223 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 232, 172) }
```

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

```
.background{ background-color: rgb(181,  
232, 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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