

Converting Colors

`RYB(172, 239, 240)`

Have a look what the booklet for
RYB(172, 239, 240) contains.

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Color

R_YB(172, 239, 240)

Conversions

Conversions Part 1

Format	Color
Hex	ACF0AD
RGB	172, 240, 173
RGB Percent	67%, 94%, 68%
CMY	0.3255, 0.0588, 0.3215
CMYK	0.28, 0.00, 0.28, 0.06
HSL	121°, 69%, 81%
HSV	121°, 28%, 94%
XYZ	55.7176, 74.1085, 50.9105
YIQ	212.0300, -19.0210, -35.2530

Conversions

Conversions Part 2

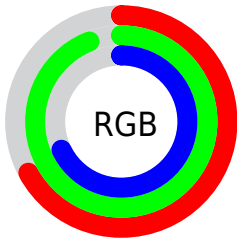
Format	Color
RYB	172, 239, 240
Decimal	11333805
CIELab	88.97, -34.01, 25.76
CIELCh	89, 42.665, 142.863
Yxy	74.1085, 0.3083, 0.4100
Android (android.graphics.Color)	4289523885 (0xFFACF0AD)
YUV	212.0300, -19.2418, -35.1063
Hunter-Lab	86.0863, -35.1206, 25.1970

Details

The RYB color **172, 239, 240** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **240, 172, 239**, and the grayscale version is **212, 212, 212**.

A 20% lighter version of the original color is **229, 255, 255**, and **118, 182, 184** is the 20% darker color. If you saturate the color by 10%, you get **148, 239, 240**, and if you desaturate by 10%, it is **196, 239, 240**.

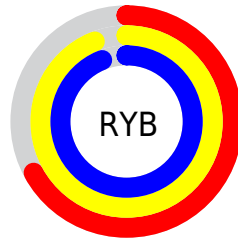
Distribution



Red (67%)

Green (94%)

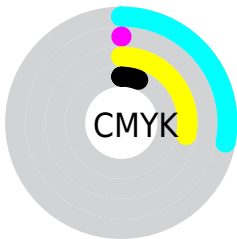
Blue (68%)



Red (67%)

Yellow (94%)

Blue (94%)

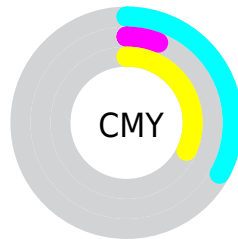


Cyan (28%)

Magenta (0%)

Yellow (28%)

Black (6%)



Cyan (33%)

Magenta (6%)

Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the RYB color 172, 239, 240 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, 239, 240 by changing the saturation by 10% instead.

 172, 239, 240


255, 255, 255


 229, 255, 255

 172, 239, 240

 145, 210, 211

 118, 182, 184


 91, 152, 156

 65, 125, 130

 39, 97, 105

 5, 64, 80

 0, 55, 56

 0, 36, 36

 0, 0, 0

 172, 239, 240

 172, 239, 240

 148, 239, 240

 196, 239, 240

 124, 238, 240

 220, 240, 240

 100, 238, 240

 244, 240, 244

 76, 238, 240

 255, 240, 255

 52, 237, 240

 28, 237, 240

 4, 236, 240

 0, 236, 240

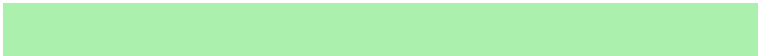
Harmonies

Analogous

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



147, 231, 159



172, 239, 240



121, 193, 245

Triad

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



172, 239, 240



151, 196, 255



255, 194, 194

Complementary

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



172, 239, 240



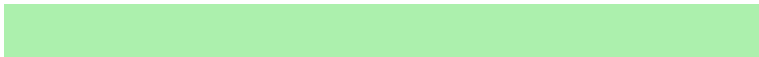
240, 172, 239

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, 193, 235



172, 239, 240



215, 216, 255

Square

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



172, 239, 240



89, 168, 255



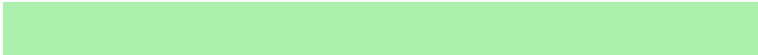
255, 202, 255



255, 242, 160

Rectangle

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



172, 239, 240



89, 169, 246



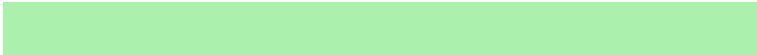
255, 202, 255



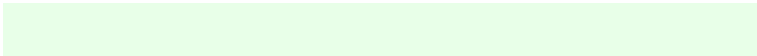
255, 192, 207

Sweetspot

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



172, 239, 240



232, 255, 255



172, 240, 172



113, 127, 128



0, 0, 0



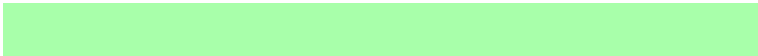
128, 128, 128

Same Dimension

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



172, 239, 240



168, 253, 255



172, 217, 240



108, 120, 120



0, 181, 184



0, 55, 56

Inverse Universe

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



240, 172, 239



255, 168, 254



240, 172, 206



120, 108, 120



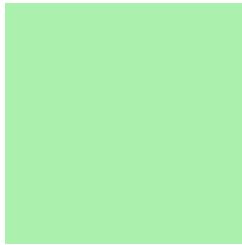
184, 0, 181



56, 0, 55

Previews

White Background



This preview shows how the RYB color 172, 239, 240 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, 239, 240 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, 239, 240 Background



This preview shows how black text looks on a background with the RYB color 172, 239, 240.

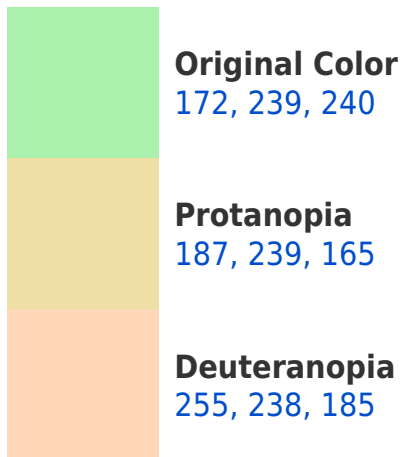


This preview shows how white text looks on a background with the RYB color 172, 239, 240.

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





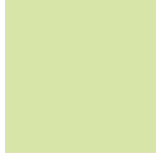
Tritanopia
186, 212, 249

Trichromacy



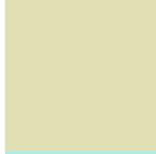
Original Color

172, 239, 240



Protanomaly

168, 229, 182



Deuteranomaly

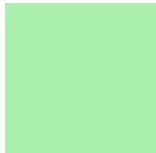
182, 225, 181



Tritanomaly

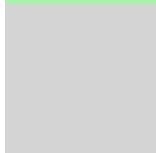
181, 211, 234

Monochromacy



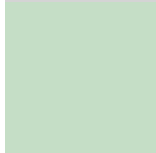
Original Color

172, 239, 240



Achromatopsia

212, 212, 212



Achromatomaly

197, 221, 222

CSS Examples

Text

The CSS property to change the color of the text to RYB 172, 239, 240 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(172, 240, 173)` looks like.

```
.text, #text, p{  
    color:rgb(172, 240, 173)  
}
```

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(172, 240, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 240, 173) }
```

Border

The CSS property to change the border of an element to RYB 172, 239, 240 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(172, 240, 173) }
```

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

```
.border{ border-color:rgb(172, 240, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 240, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 240, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 240, 173);  
box-shadow:4px 4px 4px 4px rgb(172, 240,  
173) }
```

Background

The CSS property to change the background color of an element to RYB 172, 239, 240 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 240, 173) }
```

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

```
.background{ background-color: rgb(172,  
240, 173) }
```

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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