

Converting Colors

`RYB(172, 202, 234)`

Have a look what the booklet for
RYB(172, 202, 234) contains.

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Color

`RYB(172, 202, 234)`

Conversions

Conversions Part 1

Format	Color
Hex	ACE6EA
RGB	172, 230, 234
RGB Percent	67%, 90%, 92%
CMY	0.3255, 0.0975, 0.0824
CMYK	0.26, 0.02, 0.00, 0.08
HSL	184°, 60%, 80%
HSV	184°, 26%, 92%
XYZ	60.1962, 71.3744, 88.4459
YIQ	213.1140, -35.8520, -11.0520

Conversions

Conversions Part 2

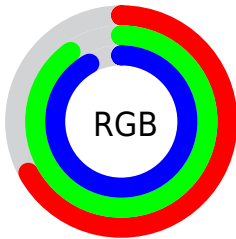
Format	Color
RYB	172, 202, 234
Decimal	11331306
CIELab	87.67, -17.45, -7.87
CIELCh	88, 19.148, 204.284
Yxy	71.3744, 0.2736, 0.3244
Android (android.graphics.Color)	4289521386 (0xFFACE6EA)
YUV	213.1140, 10.2968, -36.0570
Hunter-Lab	84.4834, -20.6609, -2.9325

Details

The RYB color **172, 202, 234** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **234, 176, 172**, and the grayscale version is **213, 213, 213**.

A 20% lighter version of the original color is **229, 242, 255**, and **118, 147, 178** is the 20% darker color. If you saturate the color by 10%, you get **149, 190, 234**, and if you desaturate by 10%, it is **195, 214, 234**.

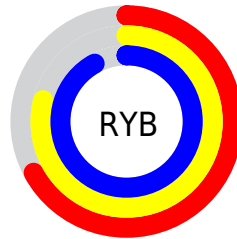
Distribution



Red (67%)

Green (90%)

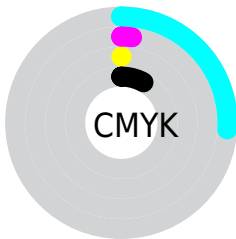
Blue (92%)



Red (67%)

Yellow (79%)

Blue (92%)

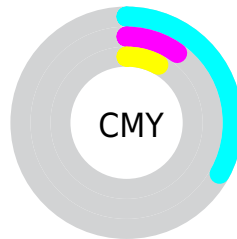


Cyan (26%)

Magenta (2%)

Yellow (0%)

Black (8%)



Cyan (33%)

Magenta (10%)

Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the RYB color 172, 202, 234 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, 202, 234 by changing the saturation by 10% instead.

 172, 202, 234


255, 255, 255

 229, 242, 255

 172, 202, 234

 145, 174, 206

 118, 147, 178


 91, 120, 152

 65, 94, 126

 39, 69, 101

 6, 40, 77


 0, 26, 54

 0, 16, 33

 0, 0, 9

 172, 202, 234


 172, 202, 234

 149, 190, 234


 195, 214, 234

 125, 178, 234


 219, 226, 234

 102, 166, 234


 242, 235, 234

 78, 153, 234


 255, 236, 234

 55, 142, 234


 255, 238, 234

 32, 130, 234

 255, 241, 234

 8, 117, 234

 255, 242, 234

 0, 113, 234

 255, 247, 234

 255, 250, 234

Harmonies

Analogous

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



180, 209, 230



172, 202, 234



178, 207, 249

Triad

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



172, 202, 234



240, 211, 241



218, 238, 184

Complementary

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



172, 202, 234



234, 176, 172

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.



252, 223, 191



172, 202, 234



254, 207, 224

Square

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



172, 202, 234



219, 216, 253



255, 208, 206



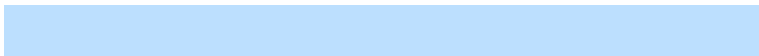
186, 223, 191

Rectangle

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



172, 202, 234



188, 211, 254



255, 208, 206



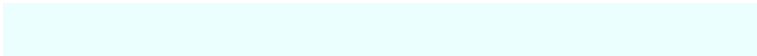
239, 243, 185

Sweetspot

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



172, 202, 234



235, 245, 255



172, 231, 234



115, 121, 128



0, 0, 0



128, 128, 128

Same Dimension

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



172, 202, 234



173, 213, 255



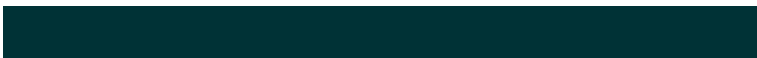
172, 191, 234



106, 112, 117



0, 88, 181



0, 26, 54

Inverse Universe

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



234, 172, 230



255, 173, 250



223, 234, 172



117, 106, 117



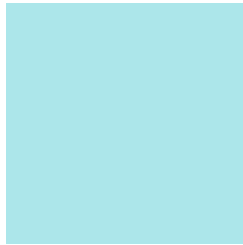
181, 0, 170



54, 0, 50

Previews

White Background



This preview shows how the RYB color 172, 202, 234 looks on a white background.

Color Contrast Check

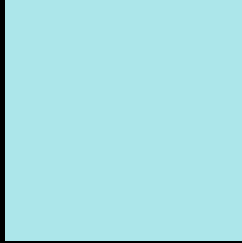
Large Text (above 18pt) WCAG AA × Fail

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, 202, 234 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, 202, 234 Background



This preview shows how black text looks on a background with the RYB color 172, 202, 234.

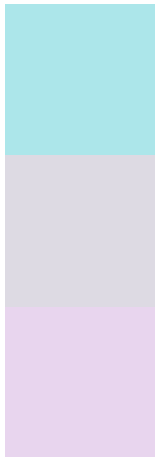


This preview shows how white text looks on a background with the RYB color 172, 202, 234.

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
172, 202, 234

Protanopia
221, 218, 227

Deuteranopia
232, 213, 238



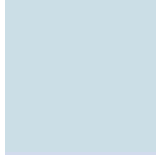
Tritanopia
175, 205, 246

Trichromacy



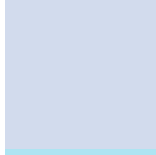
Original Color

172, 202, 234



Protanomaly

203, 214, 230



Deuteranomaly

210, 217, 237



Tritanomaly

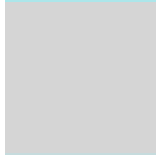
174, 204, 242

Monochromacy



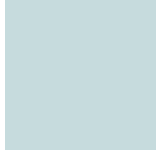
Original Color

172, 202, 234



Achromatopsia

213, 213, 213



Achromatomaly

198, 209, 221

CSS Examples

Text

The CSS property to change the color of the text to RYB 172, 202, 234 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, 230, 234)` looks like.

```
.text, #text, p{  
    color:rgb(172, 230, 234)  
}
```

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, 230, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 230, 234) }
```

Border

The CSS property to change the border of an element to RYB 172, 202, 234 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, 230, 234) }
```

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

```
.border{ border-color:rgb(172, 230, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 230, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 230, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 230, 234);  
box-shadow:4px 4px 4px 4px rgb(172, 230,  
234) }
```

Background

The CSS property to change the background color of an element to RYB 172, 202, 234 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 230, 234) }
```

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

```
.background{ background-color: rgb(172,  
230, 234) }
```

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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