

Converting Colors

`RYB(172, 190, 210)`

Have a look what the booklet for
RYB(172, 190, 210) contains.

RYB(172, 190, 210)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

R_YB(172, 190, 210)

Conversions

Conversions Part 1

Format	Color
Hex	ACCED2
RGB	172, 206, 210
RGB Percent	67%, 81%, 82%
CMY	0.3255, 0.1914, 0.1765
CMYK	0.18, 0.02, 0.00, 0.18
HSL	186°, 30%, 75%
HSV	186°, 18%, 82%
XYZ	50.7656, 57.6628, 69.4272
YIQ	196.2900, -21.5480, -5.9640

Conversions

Conversions Part 2

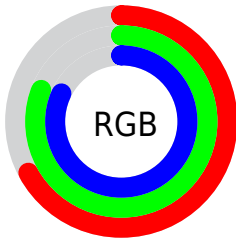
Format	Color
R _Y B	172, 190, 210
Decimal	11325138
CIE Lab	80.55, -10.49, -5.67
CIE LCh	81, 11.927, 208.410
Yxy	57.6628, 0.2854, 0.3242
Android (android.graphics.Color)	4289515218 (0xFFACCED2)
YUV	196.2900, 6.7590, -21.3023
Hunter-Lab	75.9360, -13.5552, -1.0528

Details

The RYB color **172, 190, 210** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **210, 176, 172**, and the grayscale version is **196, 196, 196**.

A 20% lighter version of the original color is **228, 242, 255**, and **119, 136, 156** is the 20% darker color. If you saturate the color by 10%, you get **151, 179, 210**, and if you desaturate by 10%, it is **193, 201, 210**.

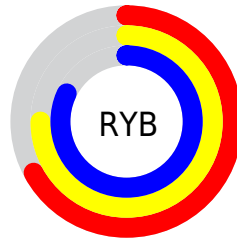
Distribution



Red (67%)

Green (81%)

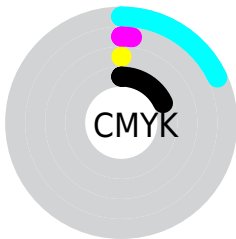
Blue (82%)



Red (67%)

Yellow (75%)

Blue (82%)

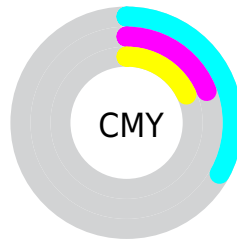


Cyan (18%)

Magenta (2%)

Yellow (0%)

Black (18%)



Cyan (33%)


Magenta (19%)

Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the RYB color 172, 190, 210 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, 190, 210 by changing the saturation by 10% instead.

 172, 190, 210


255, 255, 255

 228, 242, 255

 172, 190, 210

 145, 163, 182


 119, 136, 156


 94, 111, 130

 69, 86, 104

 46, 62, 80

 22, 39, 57


 0, 17, 36

 0, 3, 15


 0, 0, 0

 172, 190, 210


 172, 190, 210

 151, 179, 210


 193, 201, 210

 130, 168, 210


 214, 210, 210

 109, 157, 210


 235, 213, 210

 88, 146, 210


 255, 216, 210

 67, 135, 210

 255, 218, 210

 46, 124, 210

 255, 221, 210

 25, 112, 210

 255, 225, 210

 4, 101, 210

 255, 228, 210

 0, 99, 210

 255, 233, 210

Harmonies

Analogous

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



175, 193, 207



172, 190, 210



177, 193, 218

Triad

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



172, 190, 210



214, 194, 212



195, 210, 178

Complementary

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



172, 190, 210



210, 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.



219, 203, 181



172, 190, 210



222, 192, 201

Square

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



172, 190, 210



201, 197, 219



224, 193, 190



180, 202, 185

Rectangle

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



172, 190, 210



183, 196, 221



224, 193, 190



204, 213, 178

Sweetspot

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



172, 190, 210



242, 248, 255



172, 206, 210



120, 124, 128



0, 0, 0



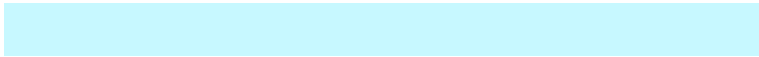
128, 128, 128

Same Dimension

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



172, 190, 210



199, 225, 255



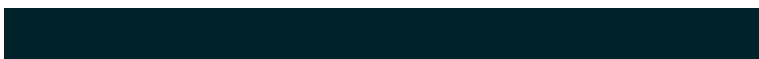
172, 183, 210



94, 99, 105



0, 80, 168



0, 19, 41

Inverse Universe

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



210, 172, 206



255, 199, 249



197, 210, 172



105, 94, 104



168, 0, 151



41, 0, 37

Previews

White Background



This preview shows how the RYB color 172, 190, 210 looks on a white background.

Color Contrast Check

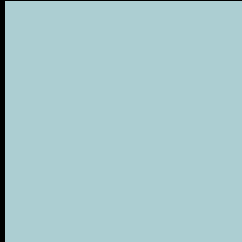
Large Text (above 18pt) WCAG AA × Fail

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, 190, 210 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

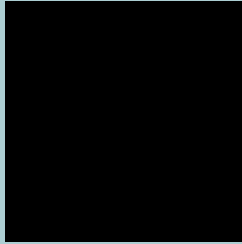
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

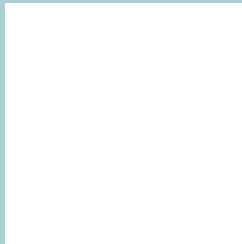
Any Text WCAG AAA ✓ Pass

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

RYB 172, 190, 210 Background



This preview shows how black text looks on a background with the RYB color 172, 190, 210.

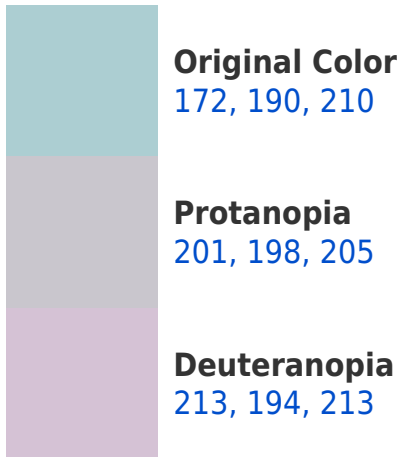


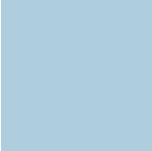
This preview shows how white text looks on a background with the RYB color 172, 190, 210.

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
174, 193, 221

Trichromacy



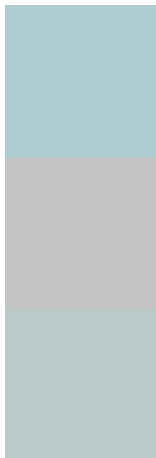
Original Color
172, 190, 210

Protanomaly
190, 197, 207

Deuteranomaly
198, 198, 212

Tritanomaly
173, 192, 217

Monochromacy



Original Color
172, 190, 210

Achromatopsia
196, 196, 196

Achromatomaly
187, 194, 201

CSS Examples

Text

The CSS property to change the color of the text to RYB 172, 190, 210 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, 206, 210)` looks like.

```
.text, #text, p{  
    color:rgb(172, 206, 210)  
}
```

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, 206, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 206, 210) }
```

Border

The CSS property to change the border of an element to RYB 172, 190, 210 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, 206, 210) }
```

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

```
.border{ border-color:rgb(172, 206, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 206, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 206, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 206, 210);  
box-shadow:4px 4px 4px 4px rgb(172, 206,  
210) }
```

Background

The CSS property to change the background color of an element to RYB 172, 190, 210 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 206, 210) }
```

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

```
.background{ background-color: rgb(172,  
206, 210) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor