

Converting Colors

`RYB(122, 180, 219)`

Have a look what the booklet for
RYB(122, 180, 219) contains.

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Color

R_YB(122, 180, 219)

Conversions

Conversions Part 1

Format	Color
Hex	7ADBBB
RGB	122, 219, 187
RGB Percent	48%, 86%, 73%
CMY	0.5216, 0.1412, 0.2658
CMYK	0.44, 0.00, 0.15, 0.14
HSL	160°, 57%, 67%
HSV	160°, 44%, 86%
XYZ	42.3512, 58.3981, 56.1794
YIQ	186.3490, -47.5400, -30.5160

Conversions

Conversions Part 2

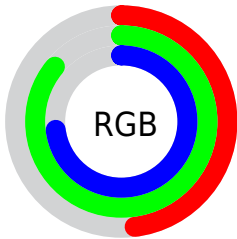
Format	Color
RYB	122, 180, 219
Decimal	8051643
CIELab	80.96, -36.03, 6.76
CIELCh	81, 36.661, 169.374
Yxy	58.3981, 0.2699, 0.3721
Android (android.graphics.Color)	4286241723 (0xFF7ADB33)
YUV	186.3490, 0.3209, -56.4341
Hunter-Lab	76.4186, -34.8079, 9.9058

Details

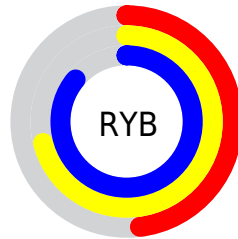
The RYB color **122, 180, 219** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **219, 122, 154**, and the grayscale version is **186, 186, 186**.

A 20% lighter version of the original color is **179, 220, 255**, and **65, 123, 163** is the 20% darker color. If you saturate the color by 10%, you get **100, 171, 219**, and if you desaturate by 10%, it is **144, 189, 219**.

Distribution



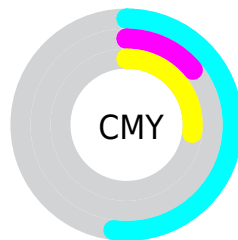
- Red (48%)
- Green (86%)
- Blue (73%)



- Red (48%)
- Yellow (71%)
- Blue (86%)



- Cyan (44%)
- Magenta (0%)
- Yellow (15%)
- Black (14%)




- Cyan (52%)
- Magenta (14%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the RYB color 122, 180, 219 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 122, 180, 219 by changing the saturation by 10% instead.

 122, 180, 219


255, 255, 255


 179, 220, 255

 208, 232, 255

 237, 246, 255

 122, 180, 219

 94, 152, 191

 65, 123, 163

 32, 93, 137

 0, 63, 111

 0, 50, 86

 0, 38, 62

 0, 27, 40

 0, 7, 7

 0, 0, 0

■ 122, 180, 219

■ 122, 180, 219

■ 100, 171, 219

■ 144, 189, 219

■ 78, 162, 219

■ 166, 198, 219

■ 56, 153, 219

■ 188, 206, 219

■ 34, 144, 219

■ 210, 215, 219

■ 13, 136, 219

■ 232, 219, 223

■ 0, 131, 219

■ 253, 219, 230

■ 255, 219, 237

■ 255, 219, 245

■ 255, 219, 252

Harmonies

Analogous

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



155, 214, 206



122, 180, 219



89, 155, 223

Triad

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



122, 180, 219



188, 196, 255



255, 198, 150

Complementary

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



122, 180, 219



219, 122, 154

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, 176, 180



122, 180, 219



233, 185, 246

Square

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



122, 180, 219



136, 181, 255



255, 176, 215



203, 236, 134

Rectangle

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



122, 180, 219



85, 157, 243



255, 176, 215



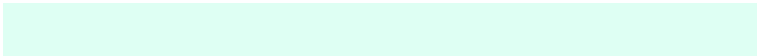
255, 186, 159

Sweetspot

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



122, 180, 219



222, 242, 255



122, 219, 187



107, 120, 128



0, 0, 0



128, 128, 128

Same Dimension

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



122, 180, 219



120, 201, 255



122, 166, 219



99, 106, 110



0, 103, 173



0, 27, 46

Inverse Universe

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



219, 122, 154



255, 120, 164



219, 141, 122



110, 99, 102



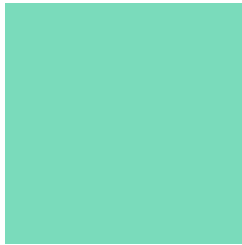
173, 0, 57



46, 0, 15

Previews

White Background



This preview shows how the RYB color 122, 180, 219 looks on a white background.

Color Contrast Check

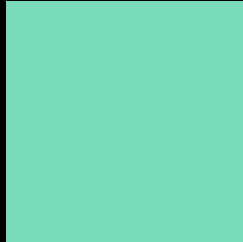
Large Text (above 18pt) WCAG AA × Fail

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 122, 180, 219 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

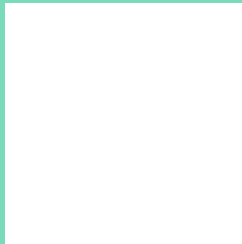
Any Text WCAG AAA ✓ Pass

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

RYB 122, 180, 219 Background



This preview shows how black text looks on a background with the RYB color 122, 180, 219.

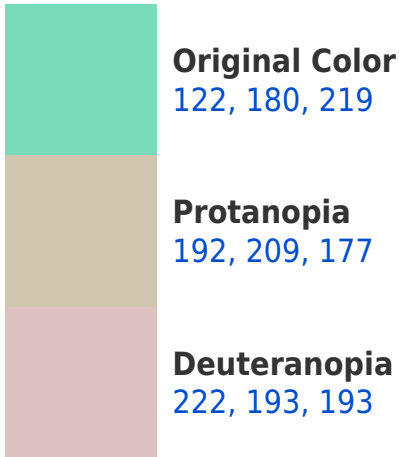


This preview shows how white text looks on a background with the RYB color 122, 180, 219.

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
133, 177, 230

Trichromacy



Original Color

122, 180, 219



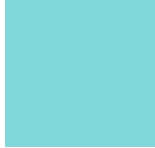
Protanomaly

177, 202, 206



Deuteranomaly

186, 198, 202



Tritanomaly

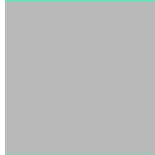
129, 172, 215

Monochromacy



Original Color

122, 180, 219



Achromatopsia

186, 186, 186



Achromatomaly

163, 184, 198

CSS Examples

Text

The CSS property to change the color of the text to RYB 122, 180, 219 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(122, 219, 187)` looks like.

```
.text, #text, p{  
    color:rgb(122, 219, 187)  
}
```

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(122, 219, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 219, 187) }
```

Border

The CSS property to change the border of an element to RYB 122, 180, 219 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(122, 219, 187) }
```

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

```
.border{ border-color:rgb(122, 219, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 219, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 219, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 219, 187);  
box-shadow:4px 4px 4px 4px rgb(122, 219,  
187) }
```

Background

The CSS property to change the background color of an element to RYB 122, 180, 219 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 219, 187) }
```

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

```
.background{ background-color: rgb(122,  
219, 187) }
```

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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