

Converting Colors

`RYB(129, 173, 220)`

Have a look what the booklet for
RYB(129, 173, 220) contains.

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Color

R_YB(129, 173, 220)

Conversions

Conversions Part 1

Format	Color
Hex	81D6DC
RGB	129, 214, 220
RGB Percent	51%, 84%, 86%
CMY	0.4941, 0.1600, 0.1373
CMYK	0.41, 0.03, 0.00, 0.14
HSL	184°, 57%, 68%
HSV	184°, 41%, 86%
XYZ	46.0666, 58.0246, 76.4820
YIQ	189.2690, -52.5860, -16.1540

Conversions

Conversions Part 2

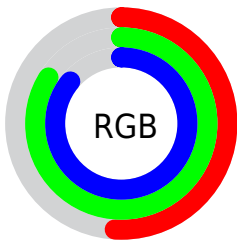
Format	Color
RYB	129, 173, 220
Decimal	8509148
CIELab	80.75, -24.28, -10.97
CIELCh	81, 26.647, 204.313
Yxy	58.0246, 0.2551, 0.3213
Android (android.graphics.Color)	4286699228 (0xFF81D6DC)
YUV	189.2690, 15.1504, -52.8559
Hunter-Lab	76.1739, -25.3553, -6.2082

Details

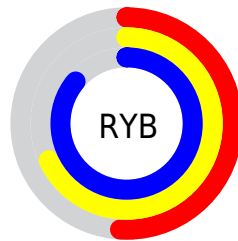
The RYB color **129, 173, 220** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **220, 135, 129**, and the grayscale version is **189, 189, 189**.

A 20% lighter version of the original color is **186, 221, 255**, and **72, 117, 165** is the 20% darker color. If you saturate the color by 10%, you get **107, 162, 220**, and if you desaturate by 10%, it is **151, 184, 220**.

Distribution



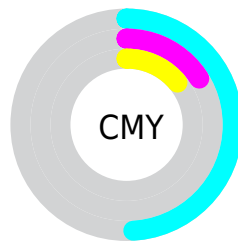
- Red (51%)
- Green (84%)
- Blue (86%)



- Red (51%)
- Yellow (68%)
- Blue (86%)



- Cyan (41%)
- Magenta (3%)
- Yellow (0%)
- Black (14%)





- Cyan (49%)
- Magenta (16%)
- Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the RYB color 129, 173, 220 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 129, 173, 220 by changing the saturation by 10% instead.


 129, 173, 220

 129, 173, 220


255, 255, 255

 101, 145, 192

 186, 221, 255

 72, 117, 165


 215, 235, 255

 40, 88, 139

 245, 250, 255

 0, 55, 113

 0, 43, 89

 0, 31, 65


 0, 20, 43


 0, 5, 24


 0, 0, 0

 129, 173, 220


 129, 173, 220

 107, 162, 220


 151, 184, 220

 85, 150, 220


 173, 196, 220

 63, 139, 220

 195, 207, 220

 41, 128, 220

 217, 219, 220

 19, 116, 220

 239, 221, 220

 0, 106, 220

 255, 223, 220

 255, 225, 220

 255, 226, 220

 255, 229, 220

Harmonies

Analogous

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



143, 184, 214



129, 173, 220



137, 180, 240

Triad

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



129, 173, 220



228, 188, 230



194, 224, 151

Complementary

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



129, 173, 220



220, 135, 129

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.



243, 204, 161



129, 173, 220



247, 183, 206

Square

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



129, 173, 220



198, 196, 246



252, 184, 181



155, 205, 163

Rectangle

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



129, 173, 220



153, 187, 248



252, 184, 181



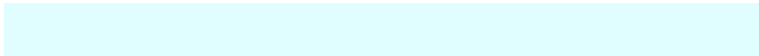
223, 231, 153

Sweetspot

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



129, 173, 220



224, 239, 255



129, 215, 220



110, 118, 128



0, 0, 0



128, 128, 128

Same Dimension

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



129, 173, 220



128, 189, 255



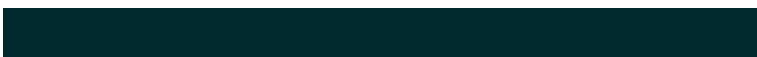
129, 157, 220



99, 104, 110



0, 84, 173



0, 22, 46

Inverse Universe

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



220, 129, 214



255, 128, 247



204, 220, 129



110, 99, 109



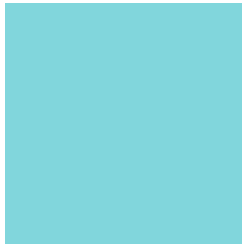
173, 0, 162



46, 0, 43

Previews

White Background



This preview shows how the RYB color 129, 173, 220 looks on a white background.

Color Contrast Check

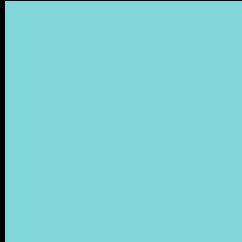
Large Text (above 18pt) WCAG AA × Fail

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 129, 173, 220 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 129, 173, 220 Background



This preview shows how black text looks on a background with the RYB color 129, 173, 220.

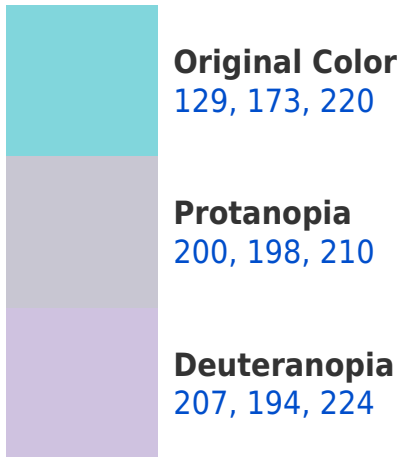


This preview shows how white text looks on a background with the RYB color 129, 173, 220.

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
132, 176, 230

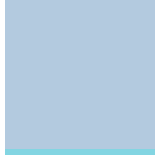
Trichromacy



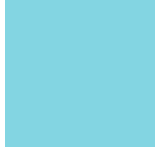
Original Color
129, 173, 220



Protanomaly
174, 191, 214



Deuteranomaly
179, 194, 223

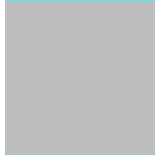


Tritanomaly
131, 175, 226

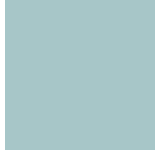
Monochromacy



Original Color
129, 173, 220



Achromatopsia
189, 189, 189



Achromatomaly
167, 183, 200

CSS Examples

Text

The CSS property to change the color of the text to RYB 129, 173, 220 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(129, 214, 220)` looks like.

```
.text, #text, p{  
    color:rgb(129, 214, 220)  
}
```

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(129, 214, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 214, 220) }
```

Border

The CSS property to change the border of an element to RYB 129, 173, 220 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(129, 214, 220) }
```

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

```
.border{ border-color:rgb(129, 214, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 214, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 214, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 214, 220);  
box-shadow:4px 4px 4px 4px rgb(129, 214,  
220) }
```

Background

The CSS property to change the background color of an element to RYB 129, 173, 220 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 214, 220) }
```

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

```
.background{ background-color: rgb(129,  
214, 220) }
```

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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