

Converting Colors

`RYB(129, 170, 225)`

Have a look what the booklet for
RYB(129, 170, 225) contains.

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Color

`RYB(129, 170, 225)`

Conversions

Conversions Part 1

Format	Color
Hex	81C9E1
RGB	129, 201, 225
RGB Percent	51%, 79%, 88%
CMY	0.4941, 0.2135, 0.1176
CMYK	0.43, 0.11, 0.00, 0.12
HSL	195°, 62%, 69%
HSV	195°, 43%, 88%
XYZ	43.4289, 51.6735, 78.9192
YIQ	182.2080, -50.6160, -7.8000

Conversions

Conversions Part 2

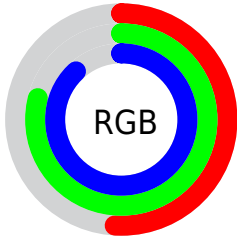
Format	Color
R_{YB}	129, 170, 225
Decimal	8505825
CIE _{Lab}	77.09, -16.12, -19.16
CIE _{LCh}	77, 25.041, 229.928
Yxy	51.6735, 0.2496, 0.2969
Android (android.graphics.Color)	4286695905 (0xFF81C9E1)
YUV	182.2080, 21.0965, -46.6634
Hunter-Lab	71.8843, -17.9566, -14.7734

Details

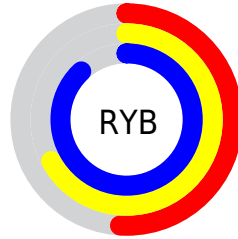
The RYB color **129, 170, 225** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **225, 161, 129**, and the grayscale version is **182, 182, 182**.

A 20% lighter version of the original color is **186, 221, 255**, and **73, 115, 170** is the 20% darker color. If you saturate the color by 10%, you get **106, 157, 225**, and if you desaturate by 10%, it is **152, 183, 225**.

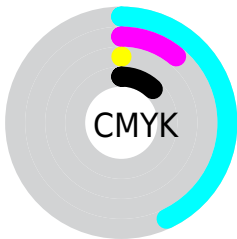
Distribution



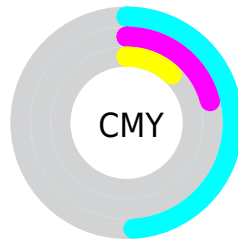
- Red (51%)
- Green (79%)
- Blue (88%)



- Red (51%)
- Yellow (67%)
- Blue (88%)



- Cyan (43%)
- Magenta (11%)
- Yellow (0%)
- Black (12%)



- Cyan (49%)
- Magenta (21%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the RYB color 129, 170, 225 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, 170, 225 by changing the saturation by 10% instead.


 129, 170, 225


255, 255, 255


 186, 221, 255

 215, 235, 255

 244, 250, 255

 129, 170, 225

 101, 142, 197


 73, 115, 170

 42, 86, 143

 0, 53, 118

 0, 41, 93

 0, 29, 69

 0, 18, 47

 0, 1, 26

 0, 0, 0

■ 129, 170, 225

■ 129, 170, 225

■ 106, 157, 225

■ 152, 183, 225

■ 84, 144, 225

■ 174, 196, 225

■ 61, 131, 225

■ 196, 209, 225

■ 39, 119, 225

■ 219, 221, 225

■ 16, 105, 225

■ 241, 230, 225

■ 0, 96, 225

■ 255, 240, 225

■ 251, 255, 225

■ 238, 255, 225

■ 228, 255, 225

Harmonies

Analogous

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



125, 164, 205



129, 170, 225



152, 180, 235

Triad

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



129, 170, 225



232, 174, 199



147, 194, 150

Complementary

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



129, 170, 225



225, 161, 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.



195, 215, 145



129, 170, 225



238, 174, 176

Square

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



129, 170, 225



213, 179, 220



232, 189, 156



160, 200, 195

Rectangle

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



129, 170, 225



173, 186, 236



232, 189, 156



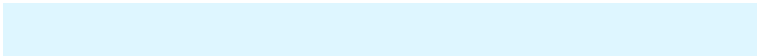
156, 200, 145

Sweetspot

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



129, 170, 225



222, 236, 255



129, 206, 225



107, 116, 128



0, 0, 0



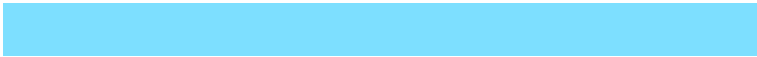
128, 128, 128

Same Dimension

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



129, 170, 225



125, 181, 255



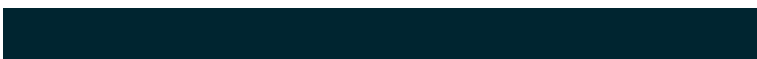
129, 148, 225



101, 106, 112



0, 75, 176



0, 21, 48

Inverse Universe

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



225, 129, 201



255, 125, 222



161, 225, 129



112, 101, 109



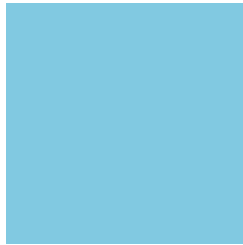
176, 0, 131



48, 0, 36

Previews

White Background



This preview shows how the RYB color 129, 170, 225 looks on a white background.

Color Contrast Check

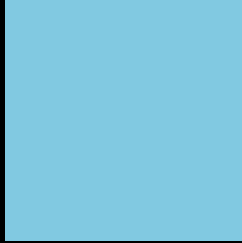
Large Text (above 18pt) WCAG AA × Fail

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, 170, 225 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

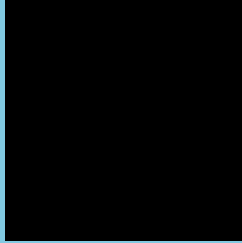
Any Text WCAG AA ✓ Pass

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, 170, 225 Background



This preview shows how black text looks on a background with the RYB color 129, 170, 225.



This preview shows how white text looks on a background with the RYB color 129, 170, 225.

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
129, 170, 225

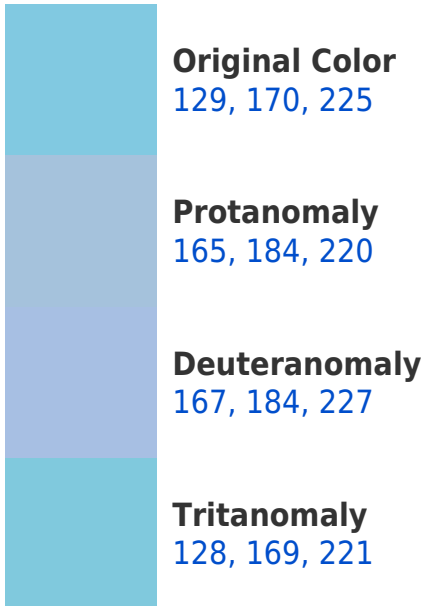
Protanopia
185, 188, 217

Deuteranopia
189, 185, 228

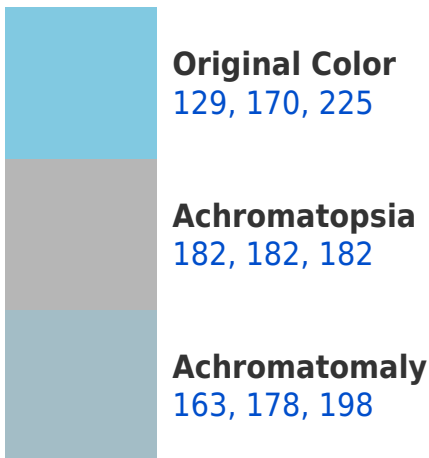


Tritanopia
127, 168, 218

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to RYB 129, 170, 225 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, 201, 225)` looks like.

```
.text, #text, p{  
    color:rgb(129, 201, 225)  
}
```

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, 201, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 201, 225) }
```

Border

The CSS property to change the border of an element to RYB 129, 170, 225 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, 201, 225) }
```

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

```
.border{ border-color:rgb(129, 201, 225) }
```

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

Here you see how a box with a 4 pixel rgb(129, 201, 225) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 201, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 201, 225);  
box-shadow:4px 4px 4px 4px rgb(129, 201,  
225) }
```

Background

The CSS property to change the background color of an element to RYB 129, 170, 225 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 201, 225) }
```

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

```
.background{ background-color: rgb(129,  
201, 225) }
```

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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