

Converting Colors

`RYB(131, 169, 205)`

Have a look what the booklet for
RYB(131, 169, 205) contains.

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Color

R_YB(131, 169, 205)

Conversions

Conversions Part 1

Format	Color
Hex	83CDC9
RGB	131, 205, 201
RGB Percent	51%, 80%, 79%
CMY	0.4863, 0.1961, 0.2114
CMYK	0.36, 0.00, 0.02, 0.20
HSL	177°, 43%, 66%
HSV	177°, 36%, 80%
XYZ	41.7464, 52.7099, 63.2971
YIQ	182.4180, -42.8200, -16.9320

Conversions

Conversions Part 2

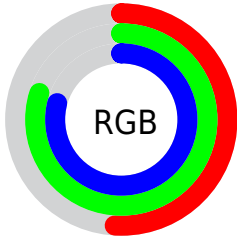
Format	Color
RYB	131, 169, 205
Decimal	8637897
CIELab	77.70, -23.82, -5.36
CIELCh	78, 24.420, 192.681
Yxy	52.7099, 0.2646, 0.3341
Android (android.graphics.Color)	4286827977 (0xFF83CDC9)
YUV	182.4180, 9.1609, -45.0936
Hunter-Lab	72.6016, -24.4142, -0.8703

Details

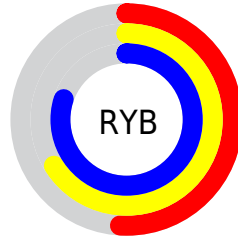
The RYB color **131, 169, 205** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **205, 131, 135**, and the grayscale version is **182, 182, 182**.

A 20% lighter version of the original color is **187, 221, 255**, and **77, 115, 151** is the 20% darker color. If you saturate the color by 10%, you get **110, 159, 205**, and if you desaturate by 10%, it is **151, 179, 205**.

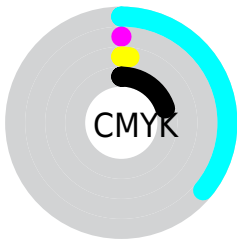
Distribution



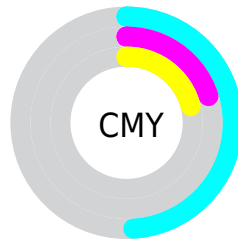
- Red (51%)
- Green (80%)
- Blue (79%)



- Red (51%)
- Yellow (66%)
- Blue (80%)



- Cyan (36%)
- Magenta (0%)
- Yellow (2%)
- Black (20%)




- Cyan (49%)
- Magenta (20%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the RYB color 131, 169, 205 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 131, 169, 205 by changing the saturation by 10% instead.


 131, 169, 205


255, 255, 255


 187, 221, 255

 216, 236, 255


 245, 250, 255

 131, 169, 205

 104, 141, 177


 77, 115, 151

 49, 87, 124

 14, 57, 99


 0, 38, 75


 0, 26, 52


 0, 17, 32


 0, 0, 3


 0, 0, 0


 131, 169, 205


 131, 169, 205

 110, 159, 205


 151, 179, 205

 90, 149, 205


 172, 189, 205

 69, 139, 205


 193, 199, 205

 49, 129, 205


 213, 205, 205

 28, 119, 205

 234, 205, 207

 8, 109, 205

 254, 205, 208

 0, 105, 205

 255, 205, 209

 255, 205, 210

 255, 205, 211

Harmonies

Analogous

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



149, 185, 204



131, 169, 205



130, 171, 222

Triad

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



131, 169, 205



208, 183, 225



217, 221, 149

Complementary

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



131, 169, 205



205, 131, 135

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.



235, 184, 162



131, 169, 205



229, 177, 206

Square

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



131, 169, 205



178, 189, 236



239, 176, 183



154, 199, 148

Rectangle

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



131, 169, 205



140, 176, 232



239, 176, 183



227, 206, 153

Sweetspot

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



131, 169, 205



227, 241, 255



131, 205, 200



111, 120, 128



0, 0, 0



128, 128, 128

Same Dimension

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



131, 169, 205



145, 202, 255



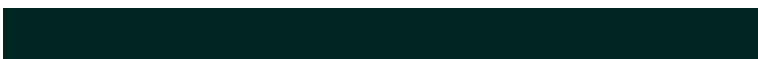
131, 158, 205



92, 97, 102



0, 85, 166



0, 20, 38

Inverse Universe

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



205, 131, 135



255, 145, 151



205, 187, 131



102, 92, 92



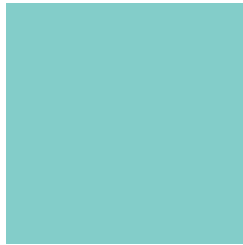
166, 0, 9



38, 0, 2

Previews

White Background



This preview shows how the RYB color 131, 169, 205 looks on a white background.

Color Contrast Check

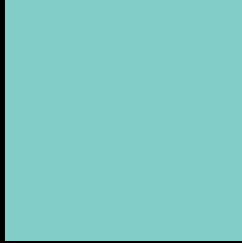
Large Text (above 18pt) WCAG AA × Fail

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 131, 169, 205 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

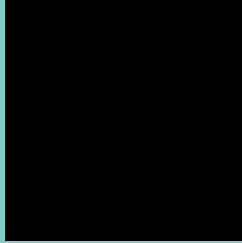
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

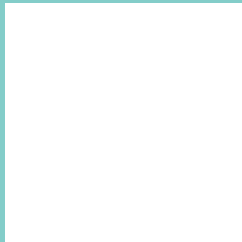
Any Text WCAG AAA ✓ Pass

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

RYB 131, 169, 205 Background



This preview shows how black text looks on a background with the RYB color 131, 169, 205.

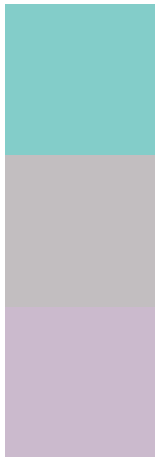


This preview shows how white text looks on a background with the RYB color 131, 169, 205.

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
131, 169, 205

Protanopia
194, 190, 192

Deuteranopia
203, 186, 205



Tritanopia
135, 172, 219

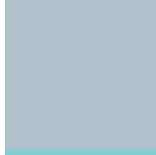
Trichromacy



Original Color
131, 169, 205



Protanomaly
171, 183, 195



Deuteranomaly
177, 187, 204

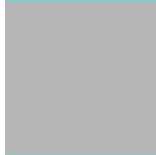


Tritanomaly
134, 171, 212

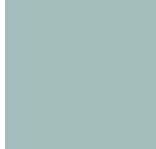
Monochromacy



Original Color
131, 169, 205



Achromatopsia
182, 182, 182



Achromatomaly
163, 177, 190

CSS Examples

Text

The CSS property to change the color of the text to RYB 131, 169, 205 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(131, 205, 201)` looks like.

```
.text, #text, p{  
    color:rgb(131, 205, 201)  
}
```

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(131, 205, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 205, 201) }
```

Border

The CSS property to change the border of an element to RYB 131, 169, 205 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(131, 205, 201) }
```

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

```
.border{ border-color:rgb(131, 205, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 205, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 205, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 205, 201);  
box-shadow:4px 4px 4px 4px rgb(131, 205,  
201) }
```

Background

The CSS property to change the background color of an element to RYB 131, 169, 205 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 205, 201) }
```

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

```
.background{ background-color: rgb(131,  
205, 201) }
```

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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