

Converting Colors

`RYB(131, 204, 222)`

Have a look what the booklet for
RYB(131, 204, 222) contains.

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Color

R_YB(131, 204, 222)

Conversions

Conversions Part 1

Format	Color
Hex	83DE99
RGB	131, 222, 153
RGB Percent	51%, 87%, 60%
CMY	0.4863, 0.1294, 0.3983
CMYK	0.41, 0.00, 0.31, 0.13
HSL	135°, 58%, 69%
HSV	135°, 41%, 87%
XYZ	41.2674, 59.3823, 39.6141
YIQ	186.9250, -32.0870, -40.7510

Conversions

Conversions Part 2

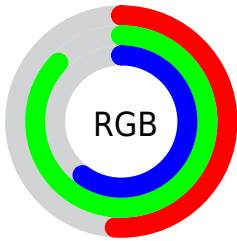
Format	Color
RYB	131, 204, 222
Decimal	8642201
CIELab	81.50, -41.65, 25.33
CIELCh	82, 48.750, 148.698
Yxy	59.3823, 0.2942, 0.4234
Android (android.graphics.Color)	4286832281 (0xFF83DE99)
YUV	186.9250, -16.7250, -49.0462
Hunter-Lab	77.0599, -39.2638, 23.4628

Details

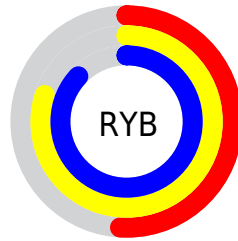
The RYB color **131, 204, 222** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **222, 131, 200**, and the grayscale version is **187, 187, 187**.

A 20% lighter version of the original color is **187, 239, 255**, and **76, 146, 166** is the 20% darker color. If you saturate the color by 10%, you get **109, 200, 222**, and if you desaturate by 10%, it is **153, 208, 222**.

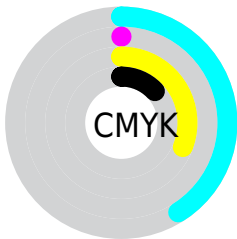
Distribution



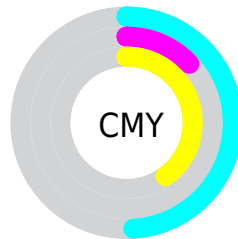
- Red (51%)
- Green (87%)
- Blue (60%)



- Red (51%)
- Yellow (80%)
- Blue (87%)



- Cyan (41%)
- Magenta (0%)
- Yellow (31%)
- Black (13%)



- Cyan (49%)
- Magenta (13%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the RYB color 131, 204, 222 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, 204, 222 by changing the saturation by 10% instead.


 131, 204, 222

 131, 204, 222


255, 255, 255

 103, 175, 194

 187, 239, 255

 76, 146, 166

 216, 241, 255

 46, 116, 139


 246, 251, 255

 5, 79, 113

 0, 65, 88

 0, 57, 64

 0, 42, 42

 0, 10, 10


 0, 0, 0

 131, 204, 222


 131, 204, 222

 109, 200, 222


 153, 208, 222

 87, 195, 222


 175, 212, 222

 64, 191, 222

 198, 217, 222

 42, 186, 222

 220, 222, 222

 20, 182, 222

 242, 222, 237

 0, 178, 222

 255, 222, 254

 255, 222, 255

Harmonies

Analogous

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



120, 213, 147



131, 204, 222



52, 146, 226

Triad

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



131, 204, 222



126, 176, 255



255, 171, 161

Complementary

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



131, 204, 222



222, 131, 200

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, 166, 206



131, 204, 222



204, 191, 255

Square

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



131, 204, 222



0, 118, 255



255, 175, 251



255, 228, 126

Rectangle

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



131, 204, 222



0, 114, 230



255, 175, 251



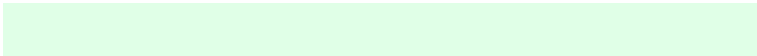
255, 167, 176

Sweetspot

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



131, 204, 222



224, 249, 255



131, 222, 152



110, 125, 128



0, 0, 0



128, 128, 128

Same Dimension

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



131, 204, 222



130, 230, 255



131, 183, 222



101, 110, 112



0, 141, 176



0, 38, 48

Inverse Universe

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



222, 131, 200



255, 130, 224



222, 131, 155



112, 101, 109



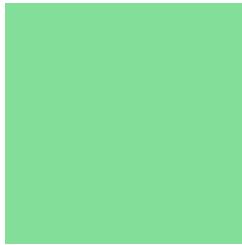
176, 0, 133



48, 0, 37

Previews

White Background



This preview shows how the RYB color 131, 204, 222 looks on a white background.

Color Contrast Check

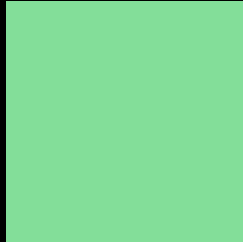
Large Text (above 18pt) WCAG AA × Fail

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, 204, 222 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, 204, 222 Background



This preview shows how black text looks on a background with the RYB color 131, 204, 222.

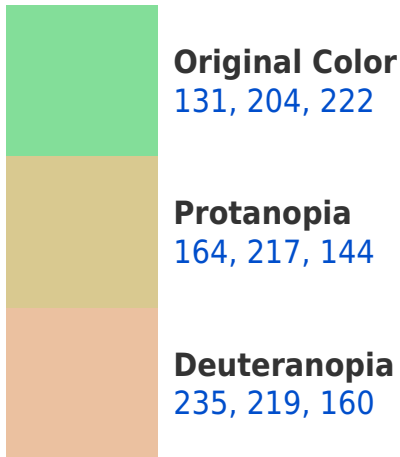


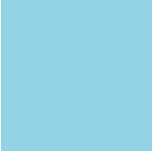
This preview shows how white text looks on a background with the RYB color 131, 204, 222.

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
147, 183, 229

Trichromacy



Original Color

131, 204, 222



Protanomaly

147, 209, 170



Deuteranomaly

158, 204, 165



Tritanomaly

141, 182, 216

Monochromacy



Original Color

131, 204, 222



Achromatopsia

187, 187, 187



Achromatomaly

167, 194, 200

CSS Examples

Text

The CSS property to change the color of the text to RYB 131, 204, 222 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, 222, 153)` looks like.

```
.text, #text, p{  
    color:rgb(131, 222, 153)  
}
```

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, 222, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 222, 153) }
```

Border

The CSS property to change the border of an element to RYB 131, 204, 222 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, 222, 153) }
```

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

```
.border{ border-color:rgb(131, 222, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 222, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 222, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 222, 153);  
box-shadow:4px 4px 4px 4px rgb(131, 222,  
153) }
```

Background

The CSS property to change the background color of an element to RYB 131, 204, 222 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 222, 153) }
```

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

```
.background{ background-color: rgb(131,  
222, 153) }
```

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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