

Converting Colors

`RYB(131, 217, 230)`

Have a look what the booklet for
RYB(131, 217, 230) contains.

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Color

R_YB(131, 217, 230)

Conversions

Conversions Part 1

Format	Color
Hex	83E692
RGB	131, 230, 146
RGB Percent	51%, 90%, 57%
CMY	0.4863, 0.0980, 0.4276
CMYK	0.43, 0.00, 0.37, 0.10
HSL	129°, 66%, 71%
HSV	129°, 43%, 90%
XYZ	42.8425, 63.4932, 37.1773
YIQ	190.8230, -32.0400, -47.1120

Conversions

Conversions Part 2

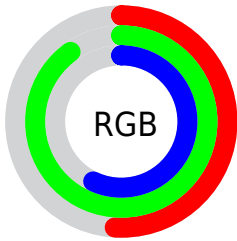
Format	Color
RYB	131, 217, 230
Decimal	8644242
CIELab	83.70, -46.38, 32.11
CIElCh	84, 56.410, 145.303
Yxy	63.4932, 0.2985, 0.4424
Android (android.graphics.Color)	4286834322 (0xFF83E692)
YUV	190.8230, -22.0977, -52.4648
Hunter-Lab	79.6826, -43.4715, 28.1151

Details

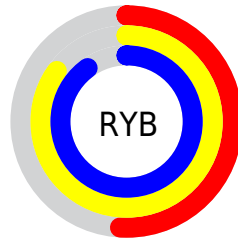
The RYB color **131, 217, 230** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **230, 131, 215**, and the grayscale version is **191, 191, 191**.

A 20% lighter version of the original color is **188, 244, 255**, and **74, 157, 174** is the 20% darker color. If you saturate the color by 10%, you get **108, 214, 230**, and if you desaturate by 10%, it is **154, 220, 230**.

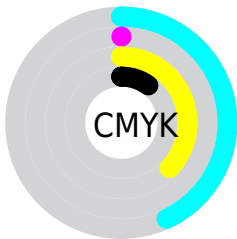
Distribution



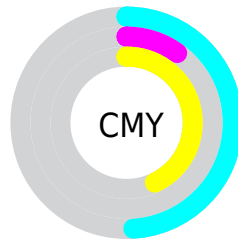
- Red (51%)
- Green (90%)
- Blue (57%)



- Red (51%)
- Yellow (85%)
- Blue (90%)



- Cyan (43%)
- Magenta (0%)
- Yellow (37%)
- Black (10%)



- Cyan (49%)
- Magenta (10%)
- Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the RYB color 131, 217, 230 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, 217, 230 by changing the saturation by 10% instead.

 131, 217, 230

255, 255, 255


 188, 244, 255


 217, 246, 255

 247, 251, 255

 131, 217, 230

 103, 187, 202

 74, 157, 174

 43, 126, 147

 0, 87, 120

 0, 77, 95

 0, 70, 70

 0, 47, 47

 0, 21, 21

 0, 0, 0

 131, 217, 230

 131, 217, 230

 108, 214, 230

 154, 220, 230

 85, 211, 230

 177, 223, 230

 62, 208, 230

 200, 226, 230

 39, 205, 230

 223, 229, 230

 16, 202, 230

 246, 230, 244

 0, 200, 230

 255, 230, 255

Harmonies

Analogous

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



109, 219, 133



131, 217, 230



0, 128, 235

Triad

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



131, 217, 230



94, 164, 255



255, 168, 166

Complementary

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



131, 217, 230



230, 131, 215

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, 165, 219



131, 217, 230



200, 198, 255

Square

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



131, 217, 230



0, 121, 255



255, 178, 255



255, 233, 123

Rectangle

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



131, 217, 230



0, 118, 236



255, 178, 255



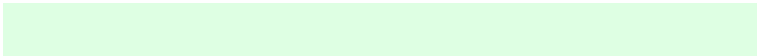
255, 165, 183

Sweetspot

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



131, 217, 230



222, 251, 255



131, 230, 146



107, 125, 128



0, 0, 0



128, 128, 128

Same Dimension

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



131, 217, 230



122, 238, 255



131, 191, 230



103, 113, 115



0, 156, 179



0, 44, 51

Inverse Universe

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



230, 131, 215



255, 122, 235



230, 131, 166



115, 103, 113



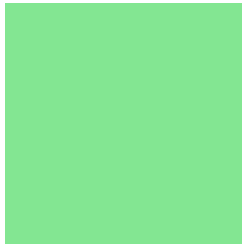
179, 0, 152



51, 0, 43

Previews

White Background



This preview shows how the RYB color 131, 217, 230 looks on a white background.

Color Contrast Check

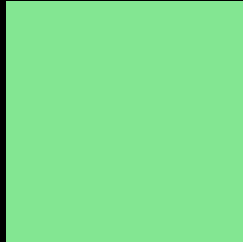
Large Text (above 18pt) WCAG AA × Fail

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, 217, 230 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, 217, 230 Background



This preview shows how black text looks on a background with the RYB color 131, 217, 230.

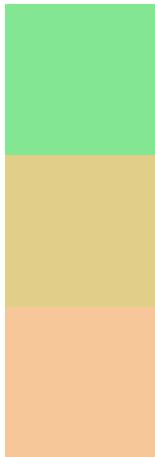


This preview shows how white text looks on a background with the RYB color 131, 217, 230.

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](#).

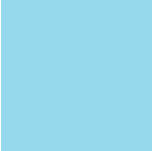
Dichromacy



Original Color
131, 217, 230

Protanopia
160, 225, 137

Deuteranopia
245, 245, 153



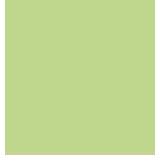
Tritanopia
150, 188, 237

Trichromacy



Original Color

131, 217, 230



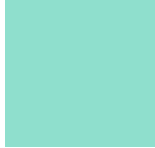
Protanomaly

140, 215, 164



Deuteranomaly

150, 210, 156



Tritanomaly

143, 188, 223

Monochromacy



Original Color

131, 217, 230



Achromatopsia

191, 191, 191



Achromatomaly

169, 200, 205

CSS Examples

Text

The CSS property to change the color of the text to RYB 131, 217, 230 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, 230, 146)` looks like.

```
.text, #text, p{  
    color:rgb(131, 230, 146)  
}
```

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, 230, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 230, 146) }
```

Border

The CSS property to change the border of an element to RYB 131, 217, 230 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, 230, 146) }
```

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

```
.border{ border-color:rgb(131, 230, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 230, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 230, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 230, 146);  
box-shadow:4px 4px 4px 4px rgb(131, 230,  
146) }
```

Background

The CSS property to change the background color of an element to RYB 131, 217, 230 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 230, 146) }
```

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

```
.background{ background-color: rgb(131,  
230, 146) }
```

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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