

Converting Colors

`RYB(131, 190, 245)`

Have a look what the booklet for
RYB(131, 190, 245) contains.

RYB(131, 190, 245)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

R_YB(131, 190, 245)

Conversions

Conversions Part 1

Format	Color
Hex	83F5ED
RGB	131, 245, 237
RGB Percent	51%, 96%, 93%
CMY	0.4863, 0.0392, 0.0695
CMYK	0.47, 0.00, 0.03, 0.04
HSL	176°, 85%, 74%
HSV	176°, 47%, 96%
XYZ	57.3382, 76.2604, 92.0263
YIQ	210.0020, -65.3760, -26.6560

Conversions

Conversions Part 2

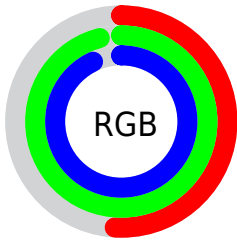
Format	Color
RYB	131, 190, 245
Decimal	8648173
CIELab	89.98, -34.33, -6.37
CIELCh	90, 34.918, 190.513
Yxy	76.2604, 0.2541, 0.3380
Android (android.graphics.Color)	4286838253 (0xFF83F5ED)
YUV	210.0020, 13.3100, -69.2848
Hunter-Lab	87.3272, -35.6212, -1.3514

Details

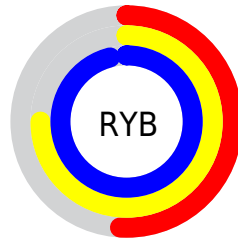
The RYB color **131, 190, 245** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **245, 131, 139**, and the grayscale version is **210, 210, 210**.

A 20% lighter version of the original color is **190, 223, 255**, and **69, 130, 188** is the 20% darker color. If you saturate the color by 10%, you get **106, 178, 245**, and if you desaturate by 10%, it is **155, 202, 245**.

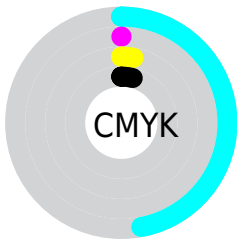
Distribution



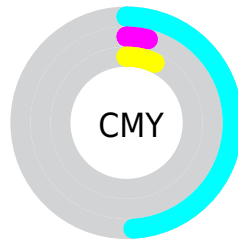
- Red (51%)
- Green (96%)
- Blue (93%)



- Red (51%)
- Yellow (75%)
- Blue (96%)



- Cyan (47%)
- Magenta (0%)
- Yellow (3%)
- Black (4%)




- Cyan (49%)
- Magenta (4%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the RYB color 131, 190, 245 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, 190, 245 by changing the saturation by 10% instead.


 131, 190, 245


255, 255, 255


 190, 223, 255

 220, 238, 255

 250, 253, 255

 131, 190, 245

 101, 160, 216

 69, 130, 188

 30, 97, 161

 0, 68, 134


 0, 56, 109


 0, 43, 84


 0, 31, 60

 0, 20, 38


 0, 1, 15

 131, 190, 245


 131, 190, 245

 106, 178, 245

 155, 202, 245

 82, 166, 245

 180, 214, 245

 57, 154, 245

 204, 225, 245

 33, 143, 245

 229, 237, 245

 8, 131, 245

 254, 245, 246

 0, 127, 245

 255, 245, 247

 255, 245, 249

 255, 245, 251

 255, 245, 252

Harmonies

Analogous

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



163, 216, 243



131, 190, 245



124, 186, 255

Triad

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



131, 190, 245



246, 214, 255



229, 255, 164

Complementary

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



131, 190, 245



245, 131, 139

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, 218, 184



131, 190, 245



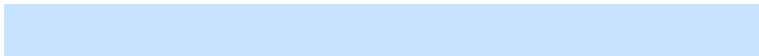
255, 204, 249

Square

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



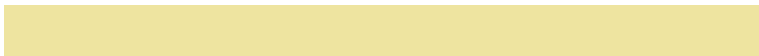
131, 190, 245



201, 218, 255



255, 202, 216



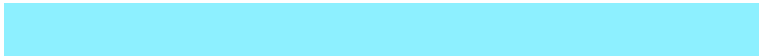
171, 238, 160

Rectangle

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



131, 190, 245



141, 194, 255



255, 202, 216



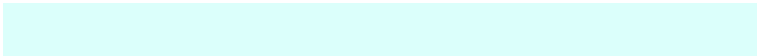
251, 255, 169

Sweetspot

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



131, 190, 245



219, 238, 255



131, 245, 235



106, 118, 128



0, 0, 0



128, 128, 128

Same Dimension

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



131, 190, 245



112, 186, 255



131, 173, 245



110, 116, 122



0, 96, 186



0, 31, 59

Inverse Universe

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



245, 131, 139



255, 112, 122



245, 214, 131



122, 110, 111



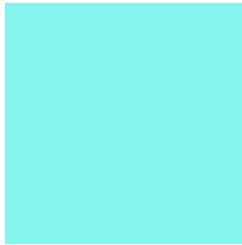
186, 0, 13



59, 0, 4

Previews

White Background



This preview shows how the RYB color 131, 190, 245 looks on a white background.

Color Contrast Check

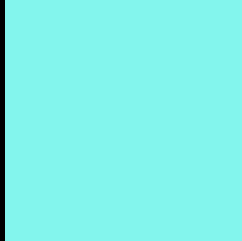
Large Text (above 18pt) WCAG AA × Fail

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, 190, 245 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

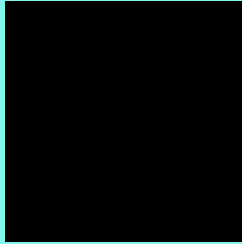
Any Text WCAG AA ✓ Pass

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, 190, 245 Background



This preview shows how black text looks on a background with the RYB color 131, 190, 245.

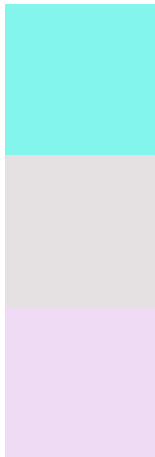


This preview shows how white text looks on a background with the RYB color 131, 190, 245.

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, 190, 245

Protanopia
229, 224, 225

Deuteranopia
239, 219, 243



Tritanopia
158, 202, 255

Trichromacy



Original Color

131, 190, 245



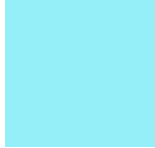
Protanomaly

193, 213, 232



Deuteranomaly

200, 217, 241



Tritanomaly

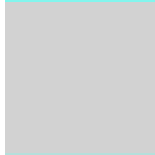
148, 196, 249

Monochromacy



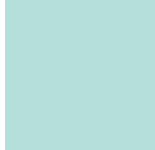
Original Color

131, 190, 245



Achromatopsia

210, 210, 210



Achromatomaly

181, 203, 223

CSS Examples

Text

The CSS property to change the color of the text to RYB 131, 190, 245 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, 245, 237)` looks like.

```
.text, #text, p{  
    color:rgb(131, 245, 237)  
}
```

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, 245, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 245, 237) }
```

Border

The CSS property to change the border of an element to RYB 131, 190, 245 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, 245, 237) }
```

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

```
.border{ border-color:rgb(131, 245, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 245, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(131, 245, 237); -webkit-box-shadow:4px 4px 4px 4px rgb(131, 245, 237); box-shadow:4px 4px 4px 4px rgb(131, 245, 237) }
```

Background

The CSS property to change the background color of an element to RYB 131, 190, 245 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 245, 237) }
```

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

```
.background{ background-color: rgb(131,  
245, 237) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor