

Converting Colors

`RYB(128, 195, 250)`

Have a look what the booklet for
RYB(128, 195, 250) contains.

RYB(128, 195, 250)	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(128, 195, 250)

Conversions

Conversions Part 1

Format	Color
Hex	80FAE4
RGB	128, 250, 228
RGB Percent	50%, 98%, 89%
CMY	0.4980, 0.0196, 0.1053
CMYK	0.49, 0.00, 0.09, 0.02
HSL	169°, 92%, 74%
HSV	169°, 49%, 98%
XYZ	57.1120, 78.5701, 85.6629
YIQ	211.0140, -65.6500, -32.7060

Conversions

Conversions Part 2

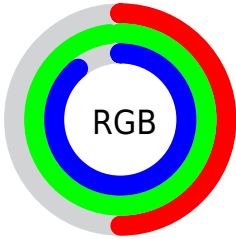
Format	Color
RYB	128, 195, 250
Decimal	8452836
CIELab	91.04, -39.45, -0.08
CIELCh	91, 39.454, 180.118
Yxy	78.5701, 0.2580, 0.3550
Android (android.graphics.Color)	4286642916 (0xFF80FAE4)
YUV	211.0140, 8.3741, -72.8033
Hunter-Lab	88.6398, -40.1093, 4.7491

Details

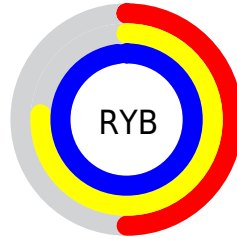
The RYB color **128, 195, 250** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **250, 128, 150**, and the grayscale version is **211, 211, 211**.

A 20% lighter version of the original color is **187, 221, 255**, and **65, 134, 193** is the 20% darker color. If you saturate the color by 10%, you get **103, 184, 250**, and if you desaturate by 10%, it is **153, 206, 250**.

Distribution



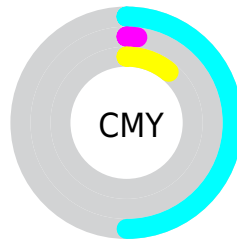
- Red (50%)
- Green (98%)
- Blue (89%)



- Red (50%)
- Yellow (76%)
- Blue (98%)



- Cyan (49%)
- Magenta (0%)
- Yellow (9%)
- Black (2%)



- Cyan (50%)
- Magenta (2%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the RYB color 128, 195, 250 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 128, 195, 250 by changing the saturation by 10% instead.

 128, 195, 250


255, 255, 255


 187, 221, 255


 217, 236, 255

 248, 252, 255

 128, 195, 250

 98, 165, 221

 65, 134, 193

 21, 98, 165

 0, 74, 139

 0, 61, 113

 0, 48, 87


 0, 35, 63

 0, 24, 41


 0, 4, 7

 128, 195, 250


 128, 195, 250

 103, 184, 250


 153, 206, 250

 78, 173, 250


 178, 218, 250

 53, 161, 250


 203, 229, 250

 28, 150, 250

 228, 240, 250

 3, 139, 250

 253, 250, 251

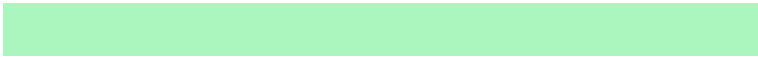
 0, 137, 250

 255, 250, 255

Harmonies

Analogous

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



171, 231, 246



128, 195, 250



103, 177, 255

Triad

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



128, 195, 250



235, 220, 255



240, 255, 165

Complementary

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



128, 195, 250



250, 128, 150

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, 206, 193



128, 195, 250



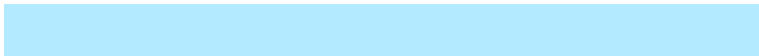
255, 207, 255

Square

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



128, 195, 250



179, 211, 255



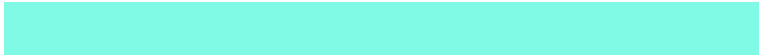
255, 201, 231



192, 255, 153

Rectangle

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



128, 195, 250



112, 181, 255



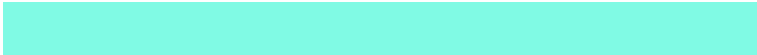
255, 201, 231



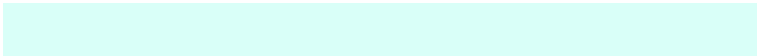
255, 240, 173

Sweetspot

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



128, 195, 250



217, 238, 255



128, 250, 228



105, 118, 128



0, 0, 0



128, 128, 128

Same Dimension

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



128, 195, 250



105, 187, 255



128, 177, 250



112, 119, 125



0, 104, 189



0, 34, 61

Inverse Universe

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



250, 128, 150



255, 105, 131



250, 185, 128



125, 112, 115



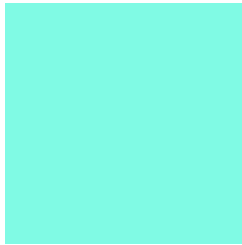
189, 0, 34



61, 0, 11

Previews

White Background



This preview shows how the RYB color 128, 195, 250 looks on a white background.

Color Contrast Check

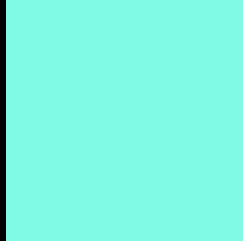
Large Text (above 18pt) WCAG AA × Fail

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 128, 195, 250 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

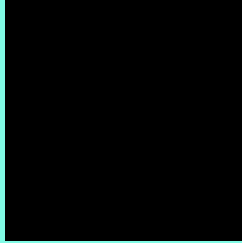
Any Text WCAG AA ✓ Pass

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 128, 195, 250 Background



This preview shows how black text looks on a background with the RYB color 128, 195, 250.

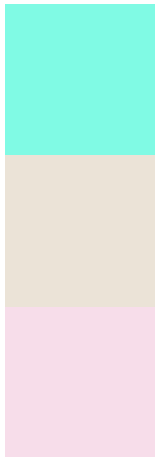


This preview shows how white text looks on a background with the RYB color 128, 195, 250.

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
128, 195, 250

Protanopia
228, 235, 215

Deuteranopia
247, 221, 234



Tritanopia
169, 208, 255

Trichromacy



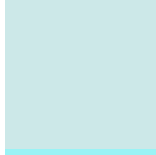
Original Color

128, 195, 250



Protanomaly

196, 220, 235



Deuteranomaly

204, 218, 232



Tritanomaly

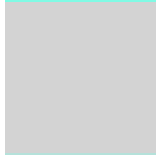
154, 199, 245

Monochromacy



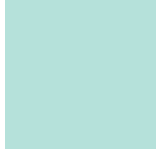
Original Color

128, 195, 250



Achromatopsia

211, 211, 211



Achromatomaly

181, 205, 225

CSS Examples

Text

The CSS property to change the color of the text to RYB 128, 195, 250 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(128, 250, 228)` looks like.

```
.text, #text, p{  
    color:rgb(128, 250, 228)  
}
```

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(128, 250, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 250, 228) }
```

Border

The CSS property to change the border of an element to RYB 128, 195, 250 is called "border". The border property can be set on classes, ids or directly on the HTML element.

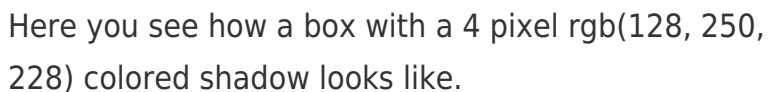
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(128, 250, 228) }
```

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

```
.border{ border-color:rgb(128, 250, 228) }
```

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



Here you see how a box with a 4 pixel `rgb(128, 250, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(128, 250, 228); -webkit-box-shadow:4px 4px 4px 4px rgb(128, 250, 228); box-shadow:4px 4px 4px 4px rgb(128, 250, 228) }
```

Background

The CSS property to change the background color of an element to RYB 128, 195, 250 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 250, 228) }
```

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

```
.background{ background-color: rgb(128,  
250, 228) }
```

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