

Converting Colors

`RYB(129, 188, 248)`

Have a look what the booklet for
RYB(129, 188, 248) contains.

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Color

R_YB(129, 188, 248)

Conversions

Conversions Part 1

Format	Color
Hex	81F6F8
RGB	129, 246, 248
RGB Percent	51%, 96%, 97%
CMY	0.4941, 0.0352, 0.0275
CMYK	0.48, 0.01, 0.00, 0.03
HSL	181°, 89%, 74%
HSV	181°, 48%, 97%
XYZ	58.9574, 77.3661, 100.6327
YIQ	211.2450, -70.3740, -24.1820

Conversions

Conversions Part 2

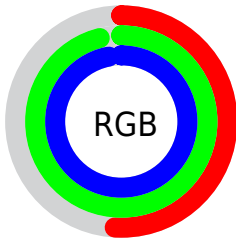
Format	Color
R_{YB}	129, 188, 248
Decimal	8517368
CIE _{Lab}	90.49, -32.59, -11.21
CIE _{LCh}	90, 34.464, 198.986
Yxy	77.3661, 0.2488, 0.3265
Android (android.graphics.Color)	4286707448 (0xFF81F6F8)
YUV	211.2450, 18.1202, -72.1289
Hunter-Lab	87.9580, -34.2797, -6.2631

Details

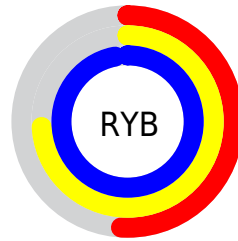
The RYB color **129, 188, 248** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **248, 131, 129**, and the grayscale version is **211, 211, 211**.

A 20% lighter version of the original color is **189, 222, 255**, and **65, 128, 192** is the 20% darker color. If you saturate the color by 10%, you get **104, 175, 248**, and if you desaturate by 10%, it is **154, 200, 248**.

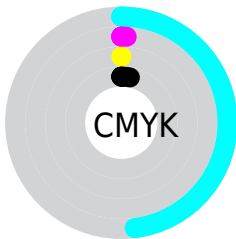
Distribution



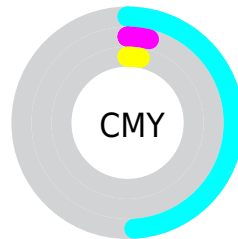
- Red (51%)
- Green (96%)
- Blue (97%)



- Red (51%)
- Yellow (74%)
- Blue (97%)



- Cyan (48%)
- Magenta (1%)
- Yellow (0%)
- Black (3%)



- Cyan (49%)
- Magenta (4%)
- Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the RYB color 129, 188, 248 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 129, 188, 248 by changing the saturation by 10% instead.


 129, 188, 248

 129, 188, 248

255, 255, 255

 98, 158, 219

 189, 222, 255

 65, 128, 192

 219, 237, 255

 19, 91, 165

 249, 252, 255

 0, 68, 138

 0, 56, 113

 0, 43, 88


 0, 31, 65

 0, 20, 43


 0, 4, 23

 129, 188, 248


 129, 188, 248

 104, 175, 248


 154, 200, 248

 79, 163, 248

 179, 213, 248

 55, 151, 248

 203, 225, 248

 30, 138, 248

 228, 238, 248

 5, 125, 248

 253, 248, 248

 0, 123, 248

 255, 248, 248

 255, 249, 248

 255, 251, 248

Harmonies

Analogous

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



155, 209, 245



129, 188, 248



133, 191, 255

Triad

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



129, 188, 248



255, 212, 255



217, 255, 163

Complementary

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



129, 188, 248



248, 131, 129

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, 234, 179



129, 188, 248



255, 205, 241

Square

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



129, 188, 248



216, 223, 255



255, 204, 208



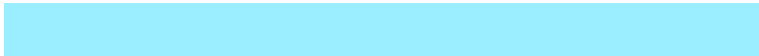
165, 232, 167

Rectangle

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



129, 188, 248



154, 200, 255



255, 204, 208



231, 255, 167

Sweetspot

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



129, 188, 248



219, 237, 255



129, 246, 248



106, 117, 128



0, 0, 0



128, 128, 128

Same Dimension

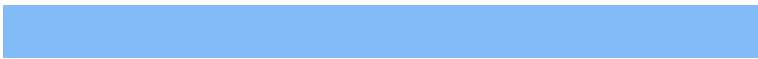
The Same Dimension uses a secret algorithm to generate beautiful new colors.



129, 188, 248



107, 180, 255



129, 168, 248



112, 119, 125



0, 94, 189



0, 30, 61

Inverse Universe

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



248, 129, 246



255, 107, 253



242, 248, 129



125, 112, 125



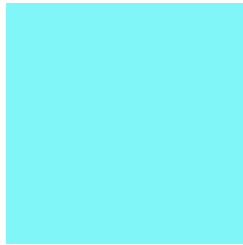
189, 0, 186



61, 0, 60

Previews

White Background



This preview shows how the RYB color 129, 188, 248 looks on a white background.

Color Contrast Check

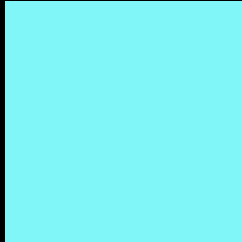
Large Text (above 18pt) WCAG AA × Fail

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 129, 188, 248 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 129, 188, 248 Background



This preview shows how black text looks on a background with the RYB color 129, 188, 248.

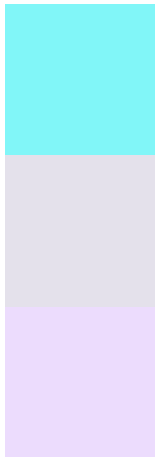


This preview shows how white text looks on a background with the RYB color 129, 188, 248.

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
129, 188, 248

Protanopia
228, 225, 235

Deuteranopia
236, 220, 253



Tritanopia
162, 204, 255

Trichromacy



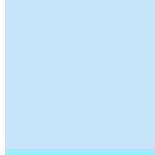
Original Color

129, 188, 248



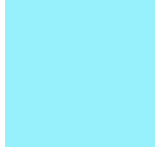
Protanomaly

192, 214, 240



Deuteranomaly

197, 217, 251



Tritanomaly

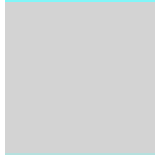
150, 198, 252

Monochromacy



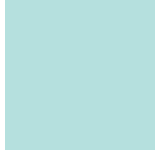
Original Color

129, 188, 248



Achromatopsia

211, 211, 211



Achromatomaly

181, 203, 224

CSS Examples

Text

The CSS property to change the color of the text to RYB 129, 188, 248 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(129, 246, 248)` looks like.

```
.text, #text, p{  
    color:rgb(129, 246, 248)  
}
```

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(129, 246, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 246, 248) }
```

Border

The CSS property to change the border of an element to RYB 129, 188, 248 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(129, 246, 248) }
```

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

```
.border{ border-color:rgb(129, 246, 248) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 246, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 246, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 246, 248);  
box-shadow:4px 4px 4px 4px rgb(129, 246,  
248) }
```

Background

The CSS property to change the background color of an element to RYB 129, 188, 248 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 246, 248) }
```

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

```
.background{ background-color: rgb(129,  
246, 248) }
```

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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