

Converting Colors

`RYB(130, 183, 236)`

Have a look what the booklet for
RYB(130, 183, 236) contains.

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Color

`RYB(130, 183, 236)`

Conversions

Conversions Part 1

Format	Color
Hex	82ECEC
RGB	130, 236, 236
RGB Percent	51%, 93%, 93%
CMY	0.4902, 0.0745, 0.0745
CMYK	0.45, 0.00, 0.00, 0.07
HSL	180°, 74%, 72%
HSV	180°, 45%, 93%
XYZ	54.3417, 70.7929, 90.1572
YIQ	204.3060, -63.1760, -22.4720

Conversions

Conversions Part 2

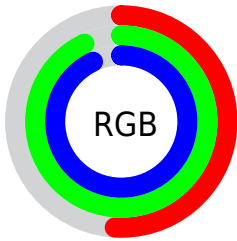
Format	Color
RYB	130, 183, 236
Decimal	8580332
CIELab	87.38, -30.63, -9.56
CIELCh	87, 32.091, 197.327
Yxy	70.7929, 0.2524, 0.3288
Android (android.graphics.Color)	4286770412 (0xFF82ECEC)
YUV	204.3060, 15.6251, -65.1664
Hunter-Lab	84.1385, -31.9563, -4.6342

Details

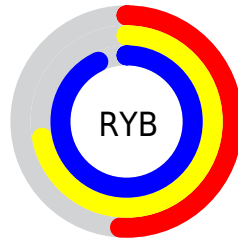
The RYB color **130, 183, 236** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **236, 130, 130**, and the grayscale version is **204, 204, 204**.

A 20% lighter version of the original color is **189, 222, 255**, and **69, 125, 180** is the 20% darker color. If you saturate the color by 10%, you get **106, 171, 236**, and if you desaturate by 10%, it is **154, 195, 236**.

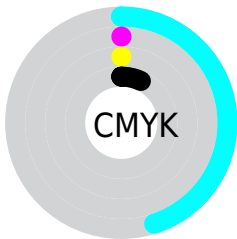
Distribution



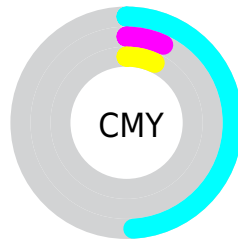
- Red (51%)
- Green (93%)
- Blue (93%)



- Red (51%)
- Yellow (72%)
- Blue (93%)



- Cyan (45%)
- Magenta (0%)
- Yellow (0%)
- Black (7%)




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

Brightness & Saturation Gradients

These gradients show how the RYB color 130, 183, 236 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 130, 183, 236 by changing the saturation by 10% instead.


 130, 183, 236


255, 255, 255


 189, 222, 255

 218, 237, 255

 248, 252, 255

 130, 183, 236

 100, 154, 208

 69, 125, 180


 32, 93, 153

 0, 63, 128

 0, 51, 103


 0, 39, 79


 0, 27, 56


 0, 17, 34


 0, 0, 12

 130, 183, 236


 130, 183, 236

 106, 171, 236


 154, 195, 236

 83, 160, 236


 177, 207, 236

 59, 148, 236

 201, 219, 236

 36, 136, 236

 224, 230, 236

 12, 124, 236

 248, 236, 236

 0, 118, 236

 255, 236, 236

Harmonies

Analogous

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



154, 204, 235



130, 183, 236



132, 187, 255

Triad

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



130, 183, 236



245, 205, 255



230, 253, 160

Complementary

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



130, 183, 236



236, 130, 130

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, 175



130, 183, 236



255, 198, 233

Square

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



130, 183, 236



206, 214, 255



255, 197, 202



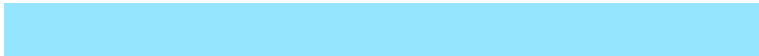
160, 223, 160

Rectangle

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



130, 183, 236



150, 195, 255



255, 197, 202



255, 255, 163

Sweetspot

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



130, 183, 236



222, 239, 255



130, 236, 236



107, 118, 128



0, 0, 0



128, 128, 128

Same Dimension

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



130, 183, 236



117, 186, 255



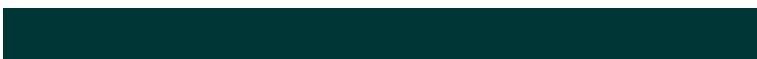
130, 165, 236



106, 112, 117



0, 91, 181



0, 27, 54

Inverse Universe

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



236, 130, 236



255, 117, 255



236, 236, 130



117, 106, 117



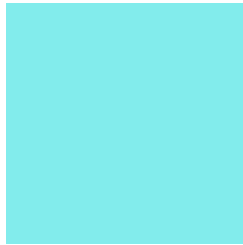
181, 0, 181



54, 0, 54

Previews

White Background



This preview shows how the RYB color 130, 183, 236 looks on a white background.

Color Contrast Check

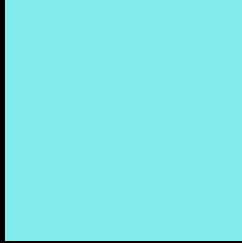
Large Text (above 18pt) WCAG AA × Fail

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 130, 183, 236 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 130, 183, 236 Background



This preview shows how black text looks on a background with the RYB color 130, 183, 236.

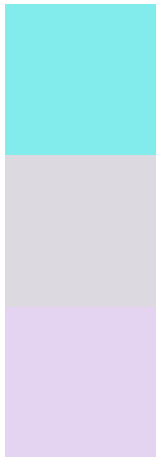


This preview shows how white text looks on a background with the RYB color 130, 183, 236.

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
130, 183, 236

Protanopia
220, 217, 224

Deuteranopia
228, 212, 241



Tritanopia
135, 188, 252

Trichromacy



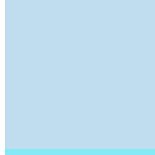
Original Color

130, 183, 236



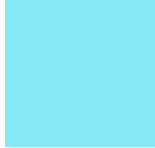
Protanomaly

187, 206, 228



Deuteranomaly

192, 210, 239



Tritanomaly

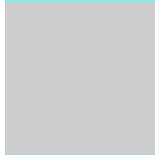
133, 186, 246

Monochromacy



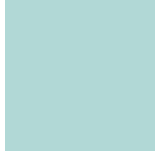
Original Color

130, 183, 236



Achromatopsia

204, 204, 204



Achromatomaly

177, 197, 216

CSS Examples

Text

The CSS property to change the color of the text to RYB 130, 183, 236 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(130, 236, 236)` looks like.

```
.text, #text, p{  
    color:rgb(130, 236, 236)  
}
```

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(130, 236, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 236, 236) }
```

Border

The CSS property to change the border of an element to RYB 130, 183, 236 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(130, 236, 236) }
```

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

```
.border{ border-color:rgb(130, 236, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 236, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 236, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 236, 236);  
box-shadow:4px 4px 4px 4px rgb(130, 236,  
236) }
```

Background

The CSS property to change the background color of an element to RYB 130, 183, 236 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 236, 236) }
```

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

```
.background{ background-color: rgb(130,  
236, 236) }
```

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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