

Converting Colors

`RYB(132, 187, 233)`

Have a look what the booklet for
RYB(132, 187, 233) contains.

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Color

R_YB(132, 187, 233)

Conversions

Conversions Part 1

Format	Color
Hex	84E9D8
RGB	132, 233, 216
RGB Percent	52%, 91%, 85%
CMY	0.4824, 0.0863, 0.1511
CMYK	0.43, 0.00, 0.07, 0.09
HSL	170°, 70%, 72%
HSV	170°, 43%, 91%
XYZ	51.1105, 68.1657, 75.7501
YIQ	200.8630, -54.7390, -26.6990

Conversions

Conversions Part 2

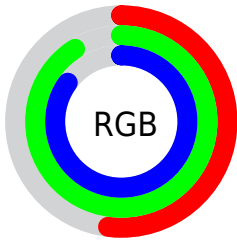
Format	Color
RYB	132, 187, 233
Decimal	8710616
CIELab	86.09, -33.45, -1.20
CIELCh	86, 33.468, 182.056
Yxy	68.1657, 0.2621, 0.3495
Android (android.graphics.Color)	4286900696 (0xFF84E9D8)
YUV	200.8630, 7.4625, -60.3929
Hunter-Lab	82.5625, -33.9836, 3.3959

Details

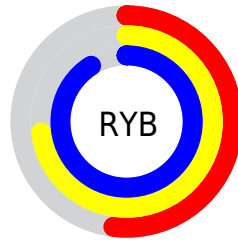
The RYB color **132, 187, 233** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **233, 132, 149**, and the grayscale version is **201, 201, 201**.

A 20% lighter version of the original color is **190, 223, 255**, and **74, 130, 177** is the 20% darker color. If you saturate the color by 10%, you get **109, 176, 233**, and if you desaturate by 10%, it is **155, 198, 233**.

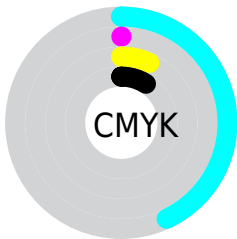
Distribution



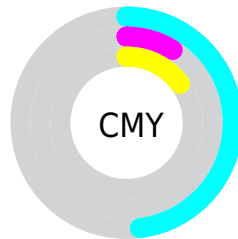
- Red (52%)
- Green (91%)
- Blue (85%)



- Red (52%)
- Yellow (73%)
- Blue (91%)



- Cyan (43%)
- Magenta (0%)
- Yellow (7%)
- Black (9%)




- Cyan (48%)
- Magenta (9%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the RYB color 132, 187, 233 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 132, 187, 233 by changing the saturation by 10% instead.


 132, 187, 233


255, 255, 255


 190, 223, 255


 219, 237, 255

 249, 252, 255

 132, 187, 233

 103, 158, 205

 74, 130, 177

 41, 99, 150

 0, 66, 124

 0, 52, 98


 0, 40, 74


 0, 27, 50

 0, 18, 30


 0, 0, 0

 132, 187, 233


 132, 187, 233

 109, 176, 233

 155, 198, 233

 85, 166, 233


 179, 208, 233

 62, 155, 233

 202, 219, 233

 39, 145, 233

 225, 229, 233

 16, 134, 233

 249, 233, 236

 0, 127, 233

 255, 233, 239

 255, 233, 243

 255, 233, 247

 255, 233, 251

Harmonies

Analogous

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



165, 215, 230



132, 187, 233



117, 178, 248

Triad

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



132, 187, 233



223, 206, 255



255, 239, 160

Complementary

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



132, 187, 233



233, 132, 149

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, 197, 183



132, 187, 233



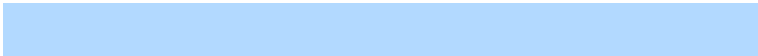
255, 197, 246

Square

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



132, 187, 233



178, 204, 255



255, 192, 214



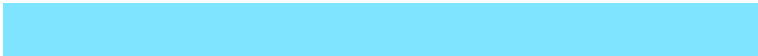
182, 236, 152

Rectangle

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



132, 187, 233



126, 183, 255



255, 192, 214



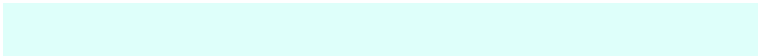
255, 220, 167

Sweetspot

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



132, 187, 233



222, 240, 255



132, 233, 216



107, 119, 128



0, 0, 0



128, 128, 128

Same Dimension

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



132, 187, 233



122, 194, 255



132, 172, 233



106, 112, 117



0, 99, 181



0, 29, 54

Inverse Universe

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



233, 132, 149



255, 122, 144



233, 183, 132



117, 106, 107



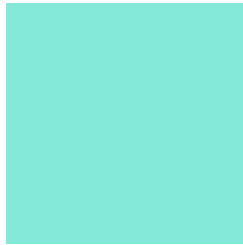
181, 0, 30



54, 0, 9

Previews

White Background



This preview shows how the RYB color 132, 187, 233 looks on a white background.

Color Contrast Check

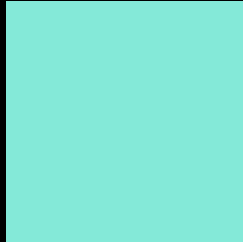
Large Text (above 18pt) WCAG AA × Fail

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 132, 187, 233 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 132, 187, 233 Background



This preview shows how black text looks on a background with the RYB color 132, 187, 233.

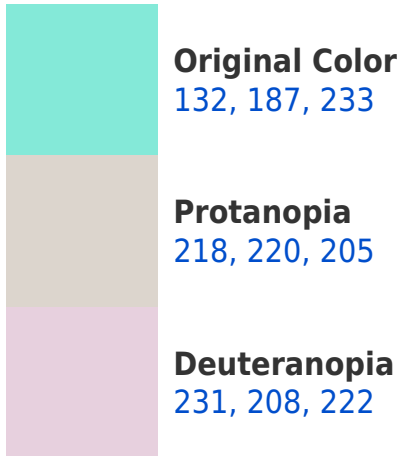



This preview shows how white text looks on a background with the RYB color 132, 187, 233.

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





Tritanopia
140, 188, 247

Trichromacy



Original Color

132, 187, 233



Protanomaly

188, 207, 220



Deuteranomaly

195, 207, 220



Tritanomaly

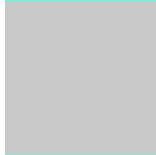
137, 185, 236

Monochromacy



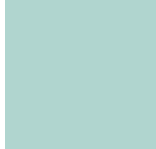
Original Color

132, 187, 233



Achromatopsia

201, 201, 201



Achromatomaly

176, 196, 213

CSS Examples

Text

The CSS property to change the color of the text to RYB 132, 187, 233 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(132, 233, 216)` looks like.

```
.text, #text, p{  
    color:rgb(132, 233, 216)  
}
```

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(132, 233, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 233, 216) }
```

Border

The CSS property to change the border of an element to RYB 132, 187, 233 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(132, 233, 216) }
```

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

```
.border{ border-color:rgb(132, 233, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 233, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 233, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 233, 216);  
box-shadow:4px 4px 4px 4px rgb(132, 233,  
216) }
```

Background

The CSS property to change the background color of an element to RYB 132, 187, 233 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 233, 216) }
```

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

```
.background{ background-color: rgb(132,  
233, 216) }
```

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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