

Converting Colors

`RYB(133, 168, 232)`

Have a look what the booklet for
RYB(133, 168, 232) contains.

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Color

`RYB(133, 168, 232)`

Conversions

Conversions Part 1

Format	Color
Hex	85BBE8
RGB	133, 187, 232
RGB Percent	52%, 73%, 91%
CMY	0.4784, 0.2661, 0.0902
CMYK	0.43, 0.19, 0.00, 0.09
HSL	207°, 68%, 72%
HSV	207°, 43%, 91%
XYZ	42.0385, 46.4131, 83.0869
YIQ	175.9840, -46.6290, 2.5470

Conversions

Conversions Part 2

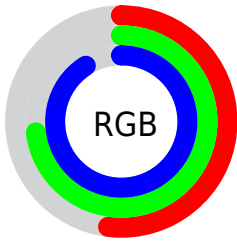
Format	Color
R _Y B	133, 168, 232
Decimal	8764392
CIE Lab	73.81, -6.17, -27.91
CIE LCh	74, 28.587, 257.536
Yxy	46.4131, 0.2451, 0.2706
Android (android.graphics.Color)	4286954472 (0xFF85BBE8)
YUV	175.9840, 27.6159, -37.6970
Hunter-Lab	68.1272, -9.0773, -24.6202

Details

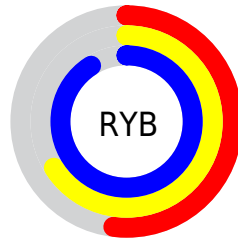
The RYB color **133, 168, 232** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **232, 216, 133**, and the grayscale version is **176, 176, 176**.

A 20% lighter version of the original color is **190, 219, 255**, and **77, 113, 176** is the 20% darker color. If you saturate the color by 10%, you get **110, 153, 232**, and if you desaturate by 10%, it is **156, 183, 232**.

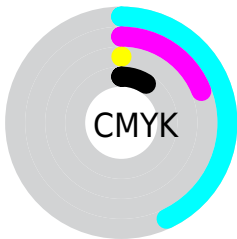
Distribution



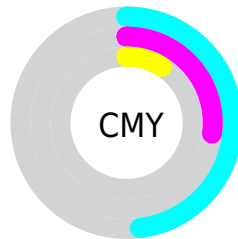
- Red (52%)
- Green (73%)
- Blue (91%)



- Red (52%)
- Yellow (66%)
- Blue (91%)



- Cyan (43%)
- Magenta (19%)
- Yellow (0%)
- Black (9%)



- Cyan (48%)
- Magenta (27%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the RYB color 133, 168, 232 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 133, 168, 232 by changing the saturation by 10% instead.


 133, 168, 232

255, 255, 255


 190, 219, 255

 219, 237, 255

 248, 252, 255


 133, 168, 232

 105, 140, 204


 77, 113, 176

 48, 86, 149

 6, 53, 123

 0, 38, 98

 0, 26, 74

 0, 14, 51

 0, 2, 30

 0, 0, 0

■ 133, 168, 232

■ 133, 168, 232

■ 110, 153, 232

■ 156, 183, 232

■ 87, 138, 232

■ 179, 198, 232

■ 63, 123, 232

■ 203, 213, 232

■ 40, 108, 232

■ 226, 228, 232

■ 17, 93, 232

■ 249, 247, 232

■ 0, 82, 232

■ 238, 255, 232

■ 232, 255, 232

Harmonies

Analogous

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



106, 155, 219



133, 168, 232



170, 178, 231

Triad

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



133, 168, 232



235, 163, 167



145, 191, 181

Complementary

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



133, 168, 232



232, 216, 133

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.



131, 185, 132



133, 168, 232



228, 178, 144

Square

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



133, 168, 232



227, 163, 193



191, 210, 131



125, 168, 195

Rectangle

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



133, 168, 232



194, 172, 223



191, 210, 131



139, 189, 163

Sweetspot

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



133, 168, 232



222, 234, 255



133, 201, 232



107, 114, 128



0, 0, 0



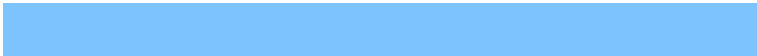
128, 128, 128

Same Dimension

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



133, 168, 232



125, 171, 255



133, 138, 232



103, 107, 115



0, 63, 179



0, 18, 51

Inverse Universe

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



232, 133, 187



255, 125, 196



138, 232, 133



115, 103, 110



179, 0, 98



51, 0, 28

Previews

White Background



This preview shows how the RYB color 133, 168, 232 looks on a white background.

Color Contrast Check

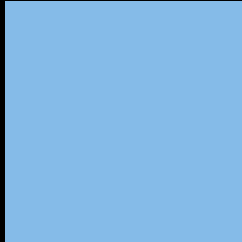
Large Text (above 18pt) WCAG AA × Fail

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 133, 168, 232 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

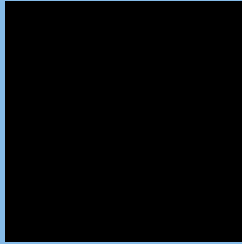
Any Text WCAG AA ✓ Pass

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 133, 168, 232 Background



This preview shows how black text looks on a background with the RYB color 133, 168, 232.

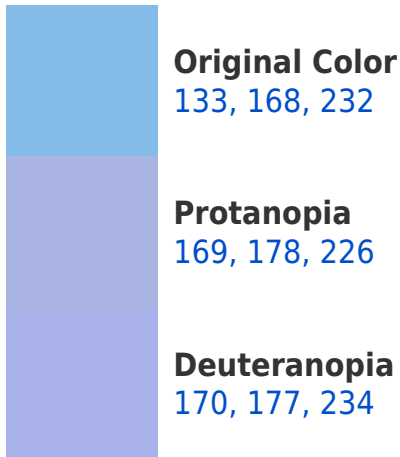


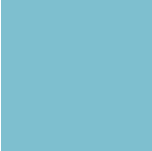
This preview shows how white text looks on a background with the RYB color 133, 168, 232.

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](#).

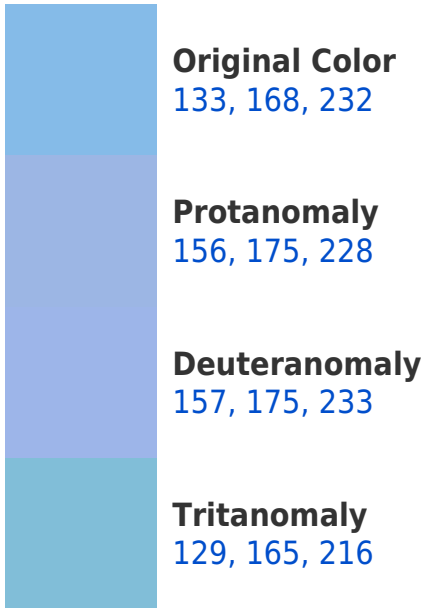
Dichromacy



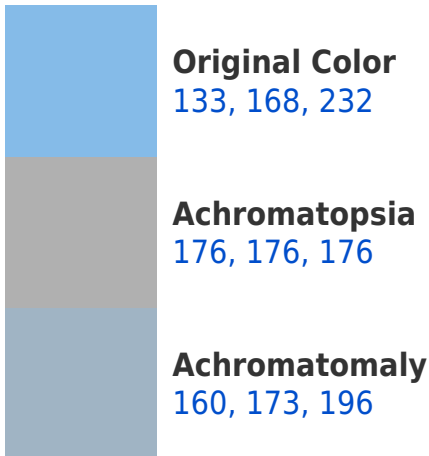


Tritanopia
126, 162, 207

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to RYB 133, 168, 232 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(133, 187, 232)` looks like.

```
.text, #text, p{  
    color:rgb(133, 187, 232)  
}
```

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(133, 187, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 187, 232) }
```

Border

The CSS property to change the border of an element to RYB 133, 168, 232 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(133, 187, 232) }
```

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

```
.border{ border-color:rgb(133, 187, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 187, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(133, 187, 232); -webkit-box-shadow:4px 4px 4px 4px rgb(133, 187, 232); box-shadow:4px 4px 4px 4px rgb(133, 187, 232) }
```

Background

The CSS property to change the background color of an element to RYB 133, 168, 232 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 187, 232) }
```

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

```
.background{ background-color: rgb(133,  
187, 232) }
```

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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