

Converting Colors

`RYB(133, 178, 245)`

Have a look what the booklet for
RYB(133, 178, 245) contains.

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Color

`RYB(133, 178, 245)`

Conversions

Conversions Part 1

Format	Color
Hex	85D0F5
RGB	133, 208, 245
RGB Percent	52%, 82%, 96%
CMY	0.4784, 0.1834, 0.0392
CMYK	0.46, 0.15, 0.00, 0.04
HSL	200°, 85%, 74%
HSV	200°, 46%, 96%
XYZ	48.7648, 56.8001, 94.7795
YIQ	189.7930, -56.5770, -4.3930

Conversions

Conversions Part 2

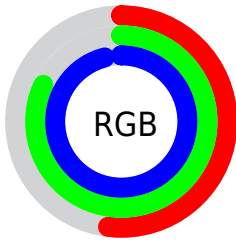
Format	Color
R_{YB}	133, 178, 245
Decimal	8769781
CIE Lab	80.07, -13.81, -25.33
CIE LCh	80, 28.848, 241.407
Yxy	56.8001, 0.2434, 0.2835
Android (android.graphics.Color)	4286959861 (0xFF85D0F5)
YUV	189.7930, 27.2171, -49.8075
Hunter-Lab	75.3659, -16.3934, -21.8066

Details

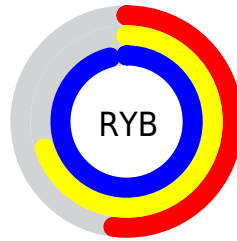
The RYB color **133, 178, 245** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **245, 188, 133**, and the grayscale version is **190, 190, 190**.

A 20% lighter version of the original color is **191, 223, 255**, and **75, 122, 189** is the 20% darker color. If you saturate the color by 10%, you get **109, 164, 245**, and if you desaturate by 10%, it is **157, 192, 245**.

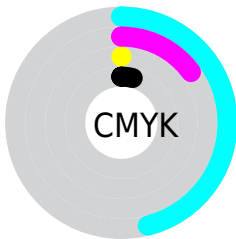
Distribution



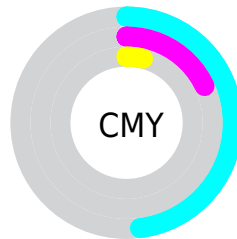
- Red (52%)
- Green (82%)
- Blue (96%)



- Red (52%)
- Yellow (70%)
- Blue (96%)



- Cyan (46%)
- Magenta (15%)
- Yellow (0%)
- Black (4%)



- Cyan (48%)
- Magenta (18%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the RYB color 133, 178, 245 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, 178, 245 by changing the saturation by 10% instead.

 133, 178, 245


255, 255, 255


 191, 223, 255

 220, 238, 255

 250, 253, 255

 133, 178, 245

 104, 150, 216

 75, 122, 189

 42, 92, 162

 0, 58, 135

 0, 46, 110

 0, 34, 85


 0, 22, 62

 0, 3, 40


 0, 1, 18

 133, 178, 245


 133, 178, 245

 109, 164, 245


 157, 192, 245


 84, 149, 245

 182, 207, 245

 59, 134, 245

 207, 222, 245

 35, 119, 245

 231, 236, 245

 10, 104, 245

 255, 249, 245

 0, 99, 245

 245, 255, 245

Harmonies

Analogous

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



118, 169, 226



133, 178, 245



167, 191, 252

Triad

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



133, 178, 245



251, 179, 198



152, 205, 169

Complementary

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



133, 178, 245



245, 188, 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.



173, 217, 145



133, 178, 245



252, 182, 172

Square

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



133, 178, 245



234, 183, 225



240, 213, 152



157, 199, 211

Rectangle

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



133, 178, 245



192, 194, 248



240, 213, 152



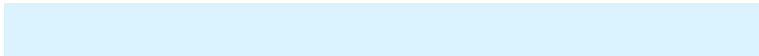
148, 203, 153

Sweetspot

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



133, 178, 245



219, 233, 255



133, 218, 245



106, 115, 128



0, 0, 0



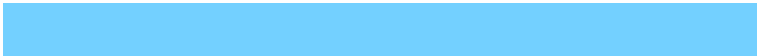
128, 128, 128

Same Dimension

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



133, 178, 245



115, 171, 255



133, 151, 245



110, 115, 122



0, 75, 186



0, 23, 59

Inverse Universe

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



245, 133, 208



255, 115, 209



159, 245, 133



122, 110, 118



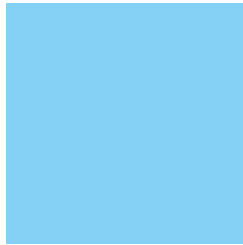
186, 0, 125



59, 0, 39

Previews

White Background



This preview shows how the RYB color 133, 178, 245 looks on a white background.

Color Contrast Check

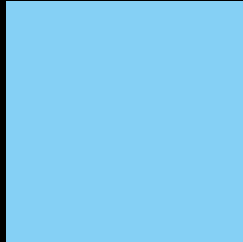
Large Text (above 18pt) WCAG AA × Fail

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, 178, 245 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, 178, 245 Background



This preview shows how black text looks on a background with the RYB color 133, 178, 245.

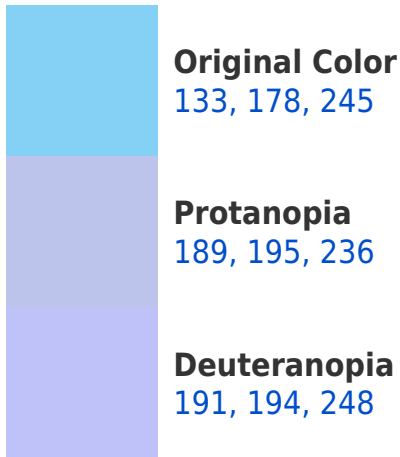


This preview shows how white text looks on a background with the RYB color 133, 178, 245.

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](#).

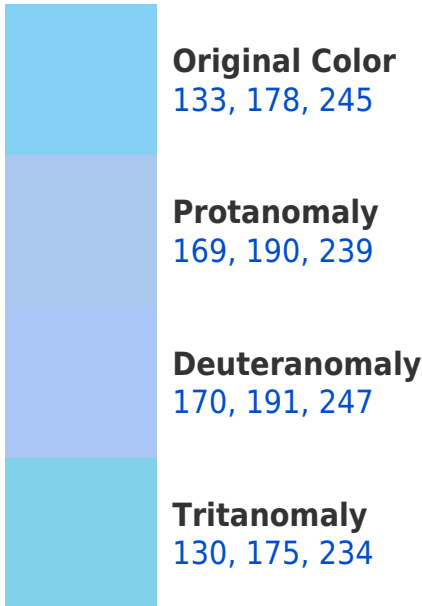
Dichromacy



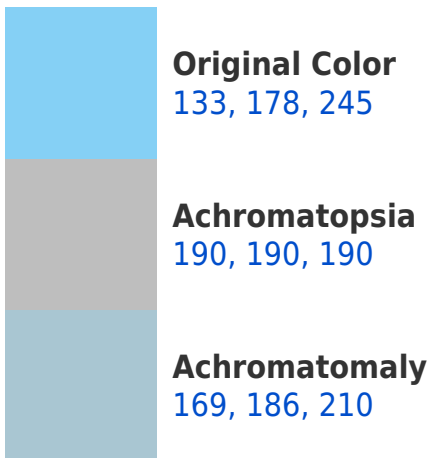


Tritanopia
128, 173, 228

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to RYB 133, 178, 245 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, 208, 245)` looks like.

```
.text, #text, p{  
    color:rgb(133, 208, 245)  
}
```

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, 208, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 208, 245) }
```

Border

The CSS property to change the border of an element to RYB 133, 178, 245 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, 208, 245) }
```

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

```
.border{ border-color:rgb(133, 208, 245) }
```

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

Here you see how a box with a 4 pixel rgb(133, 208, 245) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 208, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 208, 245);  
box-shadow:4px 4px 4px 4px rgb(133, 208,  
245) }
```

Background

The CSS property to change the background color of an element to RYB 133, 178, 245 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 208, 245) }
```

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

```
.background{ background-color: rgb(133,  
208, 245) }
```

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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