

Converting Colors

`RYB(133, 176, 226)`

Have a look what the booklet for
RYB(133, 176, 226) contains.

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Color

R_YB(133, 176, 226)

Conversions

Conversions Part 1

Format	Color
Hex	85D5E2
RGB	133, 213, 226
RGB Percent	52%, 84%, 89%
CMY	0.4784, 0.1648, 0.1137
CMYK	0.41, 0.06, 0.00, 0.11
HSL	188°, 62%, 70%
HSV	188°, 41%, 89%
XYZ	47.1896, 58.0560, 80.6703
YIQ	190.5620, -51.8530, -12.9170

Conversions

Conversions Part 2

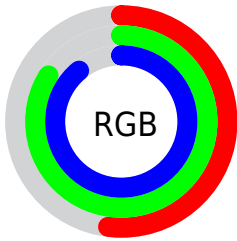
Format	Color
R _Y B	133, 176, 226
Decimal	8771042
CIE Lab	80.77, -21.19, -14.13
CIE LCh	81, 25.471, 213.690
Yxy	58.0560, 0.2538, 0.3123
Android (android.graphics.Color)	4286961122 (0xFF85D5E2)
YUV	190.5620, 17.4709, -50.4819
Hunter-Lab	76.1945, -22.7898, -9.4367

Details

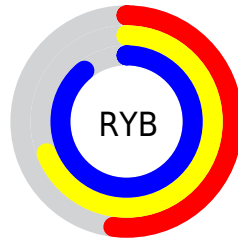
The RYB color **133, 176, 226** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **226, 148, 133**, and the grayscale version is **190, 190, 190**.

A 20% lighter version of the original color is **190, 223, 255**, and **76, 120, 171** is the 20% darker color. If you saturate the color by 10%, you get **110, 164, 226**, and if you desaturate by 10%, it is **156, 188, 226**.

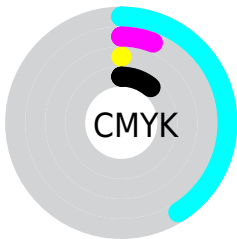
Distribution



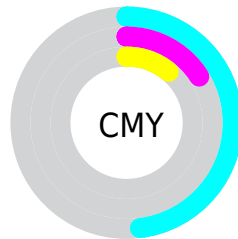
- Red (52%)
- Green (84%)
- Blue (89%)



- Red (52%)
- Yellow (69%)
- Blue (89%)



- Cyan (41%)
- Magenta (6%)
- Yellow (0%)
- Black (11%)



- Cyan (48%)
- Magenta (16%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the RYB color 133, 176, 226 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, 176, 226 by changing the saturation by 10% instead.


 133, 176, 226

255, 255, 255


 190, 223, 255

 219, 237, 255

 249, 252, 255

 133, 176, 226


 105, 148, 198

 76, 120, 171

 46, 92, 144

 0, 56, 119

 0, 44, 94

 0, 32, 70


 0, 21, 48


 0, 6, 28


 0, 0, 0

 133, 176, 226


 133, 176, 226

 110, 164, 226


 156, 188, 226

 88, 152, 226


 178, 200, 226

 65, 139, 226

 201, 212, 226

 43, 128, 226

 223, 225, 226

 20, 115, 226

 246, 230, 226

 0, 104, 226

 255, 234, 226

 255, 239, 226

 255, 246, 226

 253, 255, 226

Harmonies

Analogous

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



140, 180, 214



133, 176, 226



147, 185, 242

Triad

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



133, 176, 226



234, 186, 222



173, 215, 153

Complementary

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



133, 176, 226



226, 148, 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.



236, 217, 159



133, 176, 226



248, 183, 198

Square

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



133, 176, 226



208, 193, 240



248, 188, 175



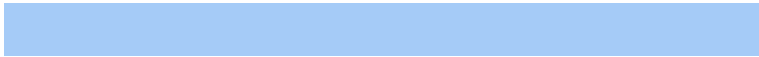
160, 207, 178

Rectangle

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



133, 176, 226



165, 191, 247



248, 188, 175



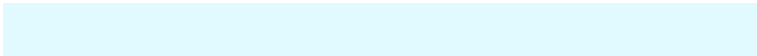
194, 223, 153

Sweetspot

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



133, 176, 226



224, 238, 255



133, 215, 226



110, 118, 128



0, 0, 0



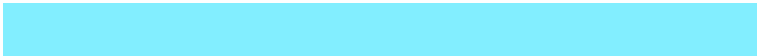
128, 128, 128

Same Dimension

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



133, 176, 226



130, 188, 255



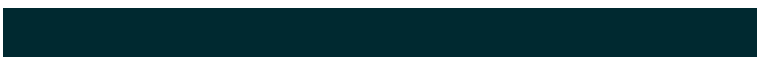
133, 158, 226



101, 106, 112



0, 81, 176



0, 22, 48

Inverse Universe

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



226, 133, 213



255, 130, 238



187, 226, 133



112, 101, 111



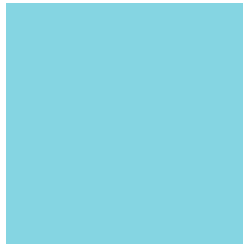
176, 0, 151



48, 0, 42

Previews

White Background



This preview shows how the RYB color 133, 176, 226 looks on a white background.

Color Contrast Check

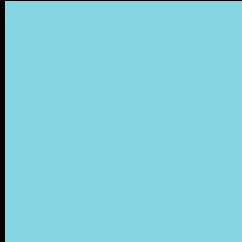
Large Text (above 18pt) WCAG AA × Fail

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, 176, 226 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](#).

R Y B 133, 176, 226 Background



This preview shows how black text looks on a background with the RYB color 133, 176, 226.

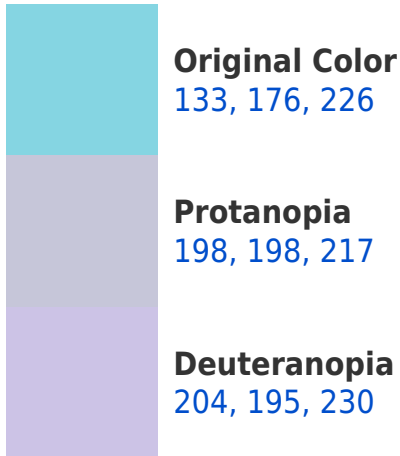


This preview shows how white text looks on a background with the RYB color 133, 176, 226.

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
134, 177, 230

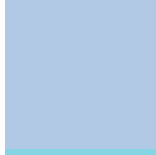
Trichromacy



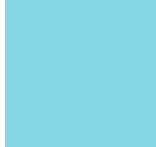
Original Color
133, 176, 226



Protanomaly
174, 192, 220



Deuteranomaly
178, 194, 229

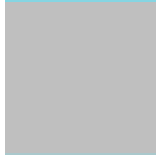


Tritanomaly
134, 177, 229

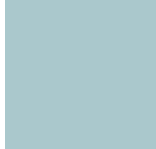
Monochromacy



Original Color
133, 176, 226



Achromatopsia
191, 191, 191



Achromatomaly
170, 186, 204

CSS Examples

Text

The CSS property to change the color of the text to RYB 133, 176, 226 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, 213, 226)` looks like.

```
.text, #text, p{  
    color:rgb(133, 213, 226)  
}
```

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, 213, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 213, 226) }
```

Border

The CSS property to change the border of an element to RYB 133, 176, 226 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, 213, 226) }
```

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

```
.border{ border-color:rgb(133, 213, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 213, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 213, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 213, 226);  
box-shadow:4px 4px 4px 4px rgb(133, 213,  
226) }
```

Background

The CSS property to change the background color of an element to RYB 133, 176, 226 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 213, 226) }
```

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

```
.background{ background-color: rgb(133,  
213, 226) }
```

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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