

Converting Colors

`RYB(127, 177, 233)`

Have a look what the booklet for
RYB(127, 177, 233) contains.

RYB(127, 177, 233)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

R_YB(127, 177, 233)

Conversions

Conversions Part 1

Format	Color
Hex	7FDEE9
RGB	127, 222, 233
RGB Percent	50%, 87%, 91%
CMY	0.5020, 0.1308, 0.0863
CMYK	0.45, 0.05, 0.00, 0.09
HSL	186°, 71%, 71%
HSV	186°, 45%, 91%
XYZ	49.4869, 62.4482, 86.5363
YIQ	194.8490, -60.1510, -16.7190

Conversions

Conversions Part 2

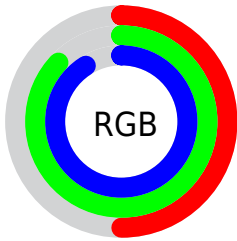
Format	Color
RYB	127, 177, 233
Decimal	8380137
CIELab	83.15, -25.13, -14.31
CIELCh	83, 28.921, 209.650
Yxy	62.4482, 0.2493, 0.3146
Android (android.graphics.Color)	4286570217 (0xFF7FDEE9)
YUV	194.8490, 18.8084, -59.5036
Hunter-Lab	79.0242, -26.5113, -9.6092

Details

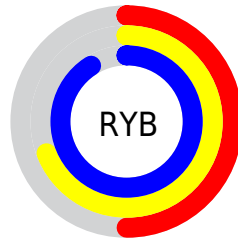
The RYB color **127, 177, 233** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **233, 139, 127**, and the grayscale version is **194, 194, 194**.

A 20% lighter version of the original color is **185, 220, 255**, and **67, 119, 177** is the 20% darker color. If you saturate the color by 10%, you get **104, 165, 233**, and if you desaturate by 10%, it is **150, 189, 233**.

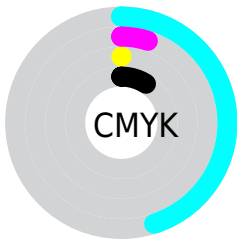
Distribution



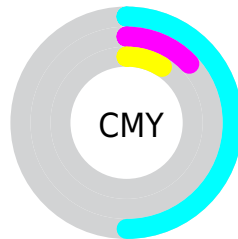
- Red (50%)
- Green (87%)
- Blue (91%)



- Red (50%)
- Yellow (69%)
- Blue (91%)



- Cyan (45%)
- Magenta (5%)
- Yellow (0%)
- Black (9%)




- Cyan (50%)
- Magenta (13%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the RYB color 127, 177, 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 127, 177, 233 by changing the saturation by 10% instead.

 127, 177, 233


255, 255, 255


 185, 220, 255


 215, 235, 255

 244, 250, 255

 127, 177, 233

 98, 149, 205

 67, 119, 177


 31, 88, 151

 0, 60, 125


 0, 47, 100

 0, 35, 76


 0, 24, 53


 0, 12, 32


 0, 0, 6

 127, 177, 233


 127, 177, 233

 104, 165, 233


 150, 189, 233

 80, 152, 233


 174, 202, 233

 57, 140, 233


 197, 214, 233

 34, 128, 233

 220, 226, 233

 11, 116, 233

 244, 234, 233

 0, 110, 233

 255, 238, 233

 255, 241, 233

 255, 248, 233

 255, 255, 233

Harmonies

Analogous

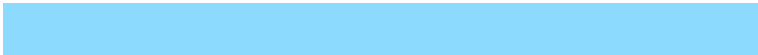
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



140, 185, 222



127, 177, 233



140, 186, 253

Triad

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



127, 177, 233



242, 192, 235



184, 227, 153

Complementary

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



127, 177, 233



233, 139, 127

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.



250, 219, 161



127, 177, 233



255, 187, 208

Square

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



127, 177, 233



211, 200, 254



255, 190, 181



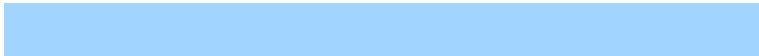
159, 214, 175

Rectangle

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



127, 177, 233



161, 194, 255



255, 190, 181



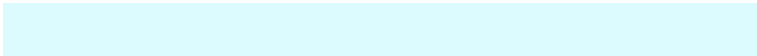
212, 236, 154

Sweetspot

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



127, 177, 233



219, 236, 255



127, 223, 233



106, 116, 128



0, 0, 0



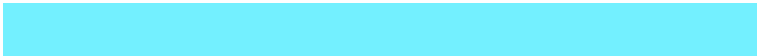
128, 128, 128

Same Dimension

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



127, 177, 233



115, 181, 255



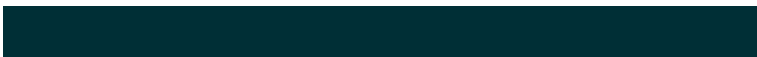
127, 157, 233



106, 111, 117



0, 85, 181



0, 25, 54

Inverse Universe

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



233, 127, 222



255, 115, 240



197, 233, 127



117, 106, 116



181, 0, 162



54, 0, 48

Previews

White Background



This preview shows how the RYB color 127, 177, 233 looks on a white background.

Color Contrast Check

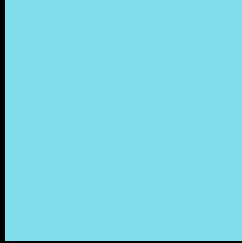
Large Text (above 18pt) WCAG AA × Fail

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 127, 177, 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 127, 177, 233 Background



This preview shows how black text looks on a background with the RYB color 127, 177, 233.

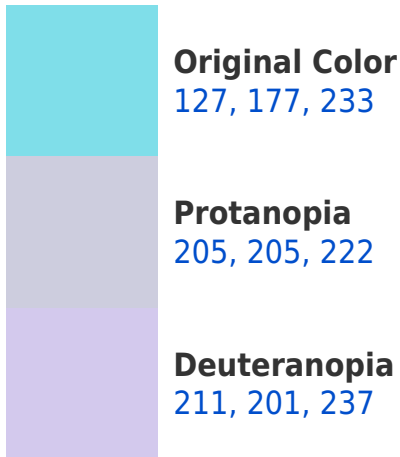


This preview shows how white text looks on a background with the RYB color 127, 177, 233.

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
129, 179, 239

Trichromacy



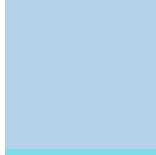
Original Color

127, 177, 233



Protanomaly

177, 197, 226



Deuteranomaly

180, 199, 236



Tritanomaly

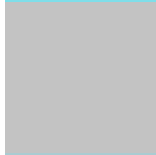
128, 178, 237

Monochromacy



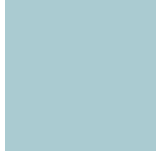
Original Color

127, 177, 233



Achromatopsia

195, 195, 195



Achromatomaly

170, 188, 209

CSS Examples

Text

The CSS property to change the color of the text to RYB 127, 177, 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(127, 222, 233)` looks like.

```
.text, #text, p{  
    color:rgb(127, 222, 233)  
}
```

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(127, 222, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 222, 233) }
```

Border

The CSS property to change the border of an element to RYB 127, 177, 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(127, 222, 233) }
```

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

```
.border{ border-color:rgb(127, 222, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 222, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 222, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 222, 233);  
box-shadow:4px 4px 4px 4px rgb(127, 222,  
233) }
```

Background

The CSS property to change the background color of an element to RYB 127, 177, 233 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 222, 233) }
```

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

```
.background{ background-color: rgb(127,  
222, 233) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor