

Converting Colors

`RYB(127, 199, 220)`

Have a look what the booklet for
RYB(127, 199, 220) contains.

RYB(127, 199, 220)	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, 199, 220)

Conversions

Conversions Part 1

Format	Color
Hex	7FDC9A
RGB	127, 220, 154
RGB Percent	50%, 86%, 60%
CMY	0.5020, 0.1373, 0.3956
CMYK	0.42, 0.00, 0.30, 0.14
HSL	138°, 57%, 68%
HSV	138°, 42%, 86%
XYZ	40.1888, 58.0357, 39.7103
YIQ	184.6690, -34.2420, -40.2420

Conversions

Conversions Part 2

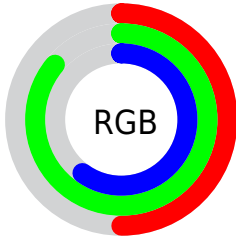
Format	Color
RYB	127, 199, 220
Decimal	8379546
CIELab	80.76, -41.78, 23.93
CIELCh	81, 48.149, 150.195
Yxy	58.0357, 0.2914, 0.4207
Android (android.graphics.Color)	4286569626 (0xFF7FDC9A)
YUV	184.6690, -15.1198, -50.5757
Hunter-Lab	76.1812, -39.1508, 22.4212

Details

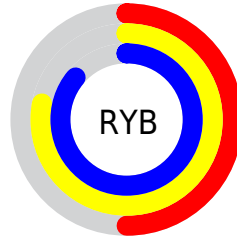
The RYB color **127, 199, 220** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **220, 127, 193**, and the grayscale version is **185, 185, 185**.

A 20% lighter version of the original color is **183, 236, 255**, and **71, 141, 164** is the 20% darker color. If you saturate the color by 10%, you get **105, 194, 220**, and if you desaturate by 10%, it is **149, 204, 220**.

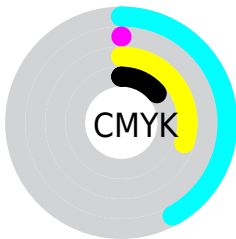
Distribution



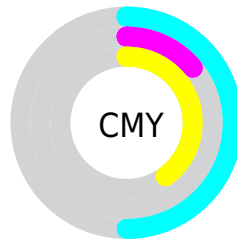
- Red (50%)
- Green (86%)
- Blue (60%)



- Red (50%)
- Yellow (78%)
- Blue (86%)



- Cyan (42%)
- Magenta (0%)
- Yellow (30%)
- Black (14%)




- Cyan (50%)
- Magenta (14%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the RYB color 127, 199, 220 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, 199, 220 by changing the saturation by 10% instead.

 127, 199, 220


255, 255, 255


 183, 236, 255


 212, 239, 255

 242, 249, 255

 127, 199, 220

 99, 170, 192

 71, 140, 164

 41, 111, 138

 0, 75, 112


 0, 63, 86

 0, 53, 62

 0, 41, 41

 0, 5, 5


 0, 0, 0

 127, 199, 220


 127, 199, 220

 105, 194, 220


 149, 204, 220

 83, 189, 220


 171, 209, 220

 61, 184, 220

 193, 214, 220

 39, 179, 220

 215, 219, 220

 17, 174, 220

 237, 220, 232

 0, 170, 220

 255, 220, 248

 255, 220, 255

Harmonies

Analogous

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



121, 211, 150



127, 199, 220



48, 143, 224

Triad

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



127, 199, 220



130, 177, 255



255, 169, 158

Complementary

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



127, 199, 220



220, 127, 193

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, 164, 202



127, 199, 220



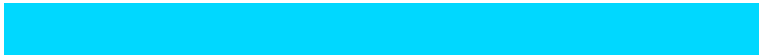
205, 189, 255

Square

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



127, 199, 220



0, 117, 255



255, 173, 246



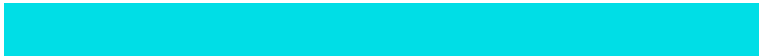
255, 230, 123

Rectangle

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



127, 199, 220



0, 113, 230



255, 173, 246



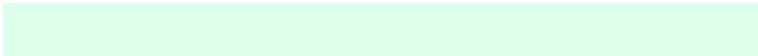
255, 166, 172

Sweetspot

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



127, 199, 220



222, 247, 255



127, 220, 153



107, 123, 128



0, 0, 0



128, 128, 128

Same Dimension

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



127, 199, 220



125, 226, 255



127, 179, 220



99, 108, 110



0, 134, 173



0, 36, 46

Inverse Universe

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



220, 127, 193



255, 125, 217



220, 127, 147



110, 99, 106



173, 0, 123



46, 0, 33

Previews

White Background



This preview shows how the RYB color 127, 199, 220 looks on a white background.

Color Contrast Check

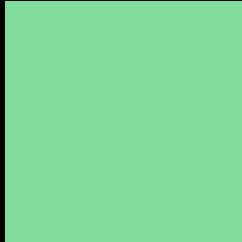
Large Text (above 18pt) WCAG AA × Fail

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, 199, 220 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

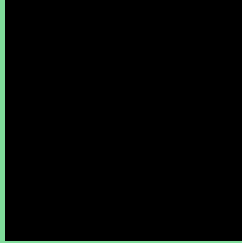
Any Text WCAG AA ✓ Pass

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, 199, 220 Background



This preview shows how black text looks on a background with the RYB color 127, 199, 220.

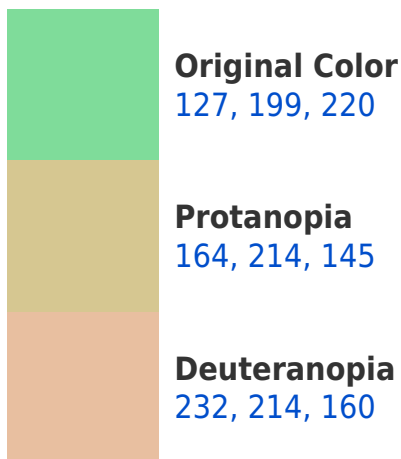


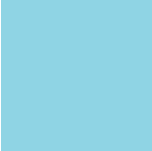
This preview shows how white text looks on a background with the RYB color 127, 199, 220.

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
143, 181, 228

Trichromacy



Original Color

127, 199, 220



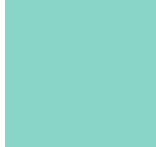
Protanomaly

148, 207, 173



Deuteranomaly

158, 202, 166



Tritanomaly

137, 179, 214

Monochromacy



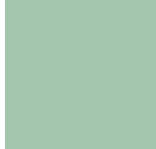
Original Color

127, 199, 220



Achromatopsia

185, 185, 185



Achromatomaly

164, 190, 198

CSS Examples

Text

The CSS property to change the color of the text to RYB 127, 199, 220 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, 220, 154)` looks like.

```
.text, #text, p{  
    color:rgb(127, 220, 154)  
}
```

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, 220, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 220, 154) }
```

Border

The CSS property to change the border of an element to RYB 127, 199, 220 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, 220, 154) }
```

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

```
.border{ border-color:rgb(127, 220, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 220, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 220, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 220, 154);  
box-shadow:4px 4px 4px 4px rgb(127, 220,  
154) }
```

Background

The CSS property to change the background color of an element to RYB 127, 199, 220 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 220, 154) }
```

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

```
.background{ background-color: rgb(127,  
220, 154) }
```

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