

# Converting Colors

`RYB(155, 197, 233)`

Have a look what the booklet for  
RYB(155, 197, 233) contains.

<b>RYB(155, 197, 233)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	23
<b><i>Color Blindness Simulation</i></b> .....	26
<b><i>CSS Examples</i></b> .....	29

# **Color**

**R<sub>Y</sub>B(155, 197, 233)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9BE9DE
RGB	155, 233, 222
RGB Percent	61%, 91%, 87%
CMY	0.3922, 0.0863, 0.1300
CMYK	0.33, 0.00, 0.05, 0.09
HSL	171°, 64%, 76%
HSV	171°, 33%, 91%
XYZ	55.8222, 70.5127, 79.6751
YIQ	208.4240, -42.9570, -19.9570

# Conversions

## Conversions Part 2

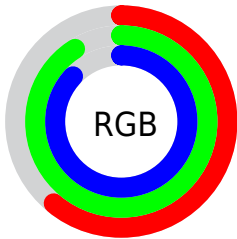
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	155, 197, 233
Decimal	10217950
CIE <sub>Lab</sub>	87.25, -26.31, -2.21
CIE <sub>LCh</sub>	87, 26.404, 184.807
Yxy	70.5127, 0.2710, 0.3423
Android (android.graphics.Color)	4288408030 (0xFF9BE9DE)
YUV	208.4240, 6.6930, -46.8528
Hunter-Lab	83.9718, -28.2888, 2.5241

# Details

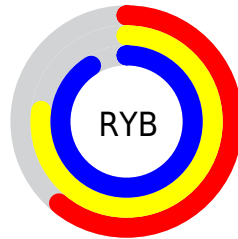
The RYB color **155, 197, 233** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **233, 155, 166**, and the grayscale version is **208, 208, 208**.

A 20% lighter version of the original color is **212, 234, 255**, and **100, 141, 177** is the 20% darker color. If you saturate the color by 10%, you get **132, 186, 233**, and if you desaturate by 10%, it is **178, 208, 233**.

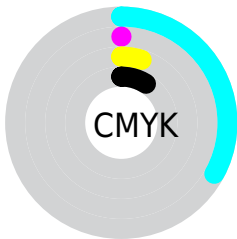
# Distribution



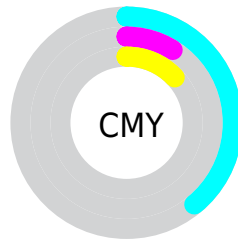
- Red (61%)
- Green (91%)
- Blue (87%)



- Red (61%)
- Yellow (77%)
- Blue (91%)



- Cyan (33%)
- Magenta (0%)
- Yellow (5%)
- Black (9%)



- Cyan (39%)
- Magenta (9%)
- Yellow (13%)

# Brightness & Saturation Gradients

These gradients show how the RYB color 155, 197, 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 155, 197, 233 by changing the saturation by 10% instead.



 155, 197, 233


255, 255, 255


 212, 234, 255

 241, 248, 255

 155, 197, 233

 127, 169, 205

 100, 141, 177

 73, 114, 150

 44, 86, 124

 6, 55, 99

 0, 40, 75


 0, 27, 51

 0, 18, 32


 0, 0, 0

 155, 197, 233


 155, 197, 233

 132, 186, 233


 178, 208, 233

 108, 175, 233


 202, 219, 233

 85, 165, 233


 225, 229, 233

 62, 154, 233

 248, 233, 235

 39, 144, 233

 255, 233, 238

 15, 132, 233

 255, 233, 242

 0, 125, 233

 255, 233, 245

 255, 233, 248

 255, 233, 252

# Harmonies

## Analogous

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



177, 217, 231



155, 197, 233



148, 193, 246

# Triad

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



155, 197, 233



228, 211, 255



255, 239, 174

# Complementary

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



155, 197, 233



233, 155, 166

# 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, 206, 191



155, 197, 233



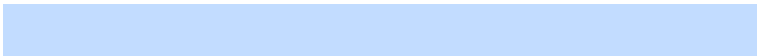
255, 204, 240

# Square

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



155, 197, 233



194, 212, 255



255, 201, 215



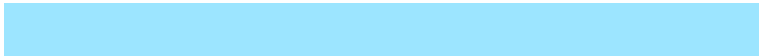
189, 233, 169

# Rectangle

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



155, 197, 233



156, 198, 255



255, 201, 215



255, 223, 179

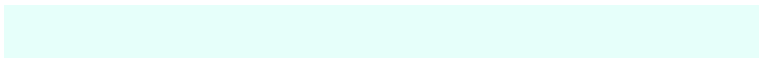


# Sweetspot

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



155, 197, 233



230, 244, 255



155, 233, 221



112, 121, 128



0, 0, 0



128, 128, 128



# Same Dimension

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



155, 197, 233



153, 208, 255



155, 186, 233



106, 112, 117



0, 98, 181



0, 29, 54



# Inverse Universe

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



233, 155, 166



255, 153, 168



233, 196, 155



117, 106, 107



181, 0, 26

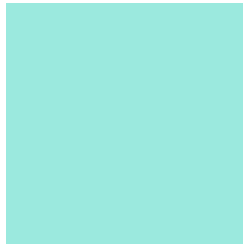


54, 0, 8



# Previews

## White Background



This preview shows how the RYB color 155, 197, 233 looks on a white background.

## Color Contrast Check

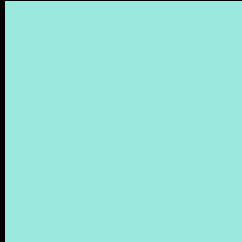
Large Text (above 18pt) WCAG AA × Fail

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 155, 197, 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

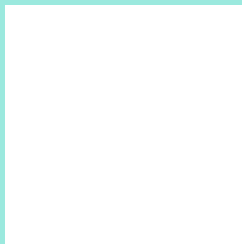
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## **RYB 155, 197, 233 Background**



This preview shows how black text looks on a background with the RYB color 155, 197, 233.

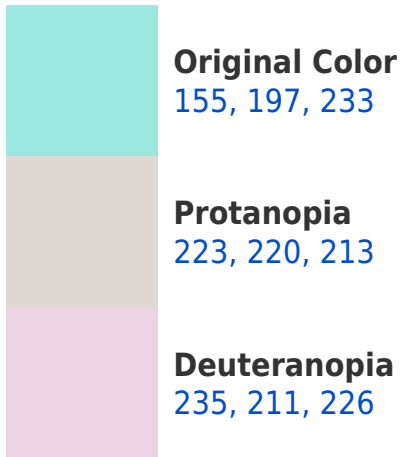



This preview shows how white text looks on a background with the RYB color 155, 197, 233.

# 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



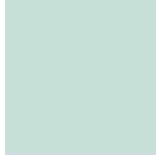


**Tritanopia**  
161, 199, 248

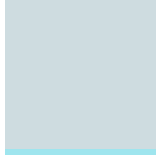
# Trichromacy



**Original Color**  
155, 197, 233



**Protanomaly**  
198, 213, 223



**Deuteranomaly**  
206, 214, 224

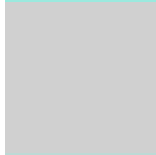


**Tritanomaly**  
159, 196, 238

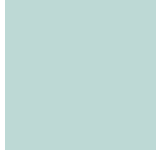
# Monochromacy



**Original Color**  
155, 197, 233



**Achromatopsia**  
208, 208, 208



**Achromatomaly**  
189, 204, 217

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 155, 197, 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(155, 233, 222)` looks like.

```
.text, #text, p{  
    color:rgb(155, 233, 222)  
}
```

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(155, 233, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 233, 222) }
```

## Border

The CSS property to change the border of an element to RYB 155, 197, 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(155, 233, 222) }
```

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

```
.border{ border-color:rgb(155, 233, 222) }
```

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

Here you see how a box with a 4 pixel rgb(155, 233, 222) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 233, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 233, 222);  
box-shadow:4px 4px 4px 4px rgb(155, 233,  
222) }
```

# Background

The CSS property to change the background color of an element to RYB 155, 197, 233 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 233, 222) }
```

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

```
.background{ background-color: rgb(155,  
233, 222) }
```

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