

Converting Colors

`RYB(155, 200, 237)`

Have a look what the booklet for RYB(155, 200, 237) contains.

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Color

R_YB(155, 200, 237)

Conversions

Conversions Part 1

Format	Color
Hex	9BEDDE
RGB	155, 237, 222
RGB Percent	61%, 93%, 87%
CMY	0.3922, 0.0706, 0.1278
CMYK	0.35, 0.00, 0.06, 0.07
HSL	169°, 69%, 77%
HSV	169°, 35%, 93%
XYZ	57.0432, 72.8335, 80.4561
YIQ	210.7720, -44.0570, -22.0490

Conversions

Conversions Part 2

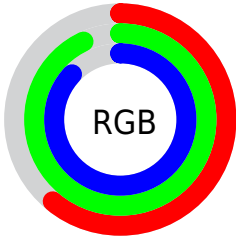
Format	Color
RYB	155, 200, 237
Decimal	10218974
CIELab	88.37, -28.11, -0.87
CIELCh	88, 28.123, 181.768
Yxy	72.8335, 0.2712, 0.3463
Android (android.graphics.Color)	4288409054 (0xFF9BEDDE)
YUV	210.7720, 5.5354, -48.9120
Hunter-Lab	85.3426, -30.0395, 3.8446

Details

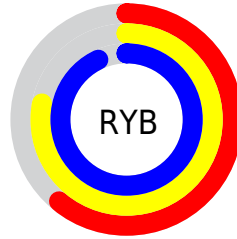
The RYB color **155, 200, 237** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **237, 155, 170**, and the grayscale version is **211, 211, 211**.

A 20% lighter version of the original color is **212, 234, 255**, and **100, 144, 181** is the 20% darker color. If you saturate the color by 10%, you get **131, 189, 237**, and if you desaturate by 10%, it is **179, 211, 237**.

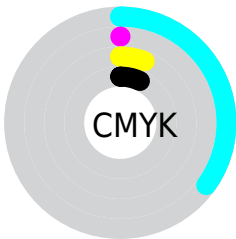
Distribution



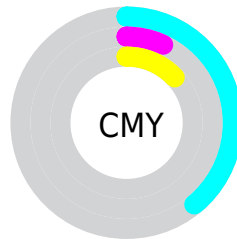
- Red (61%)
- Green (93%)
- Blue (87%)



- Red (61%)
- Yellow (78%)
- Blue (93%)



- Cyan (35%)
- Magenta (0%)
- Yellow (6%)
- Black (7%)



- Cyan (39%)
- Magenta (7%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the RYB color 155, 200, 237 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, 200, 237 by changing the saturation by 10% instead.


 155, 200, 237


255, 255, 255


 212, 234, 255

 241, 248, 255

 155, 200, 237

 127, 172, 209

 100, 144, 181

 72, 117, 154

 43, 89, 128

 1, 54, 102

 0, 42, 78


 0, 29, 54

 0, 20, 34


 0, 0, 0

 155, 200, 237


 155, 200, 237

 131, 189, 237


 179, 211, 237


 108, 179, 237


 202, 221, 237

 84, 168, 237


 226, 232, 237

 60, 157, 237


 250, 237, 239

 36, 146, 237

 255, 237, 243

 13, 136, 237

 255, 237, 248

 0, 130, 237

 255, 237, 252

 255, 237, 255

Harmonies

Analogous

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



180, 222, 234



155, 200, 237



145, 194, 249

Triad

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



155, 200, 237



228, 214, 255



255, 244, 175

Complementary

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



155, 200, 237



237, 155, 170

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, 207, 195



155, 200, 237



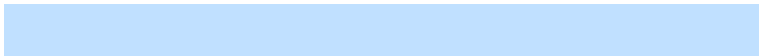
255, 206, 248

Square

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



155, 200, 237



192, 213, 255



255, 203, 221



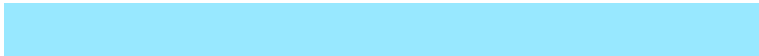
196, 240, 168

Rectangle

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



155, 200, 237



152, 197, 255



255, 203, 221



255, 226, 181

Sweetspot

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



155, 200, 237



230, 244, 255



155, 237, 222



112, 121, 128



0, 0, 0



128, 128, 128

Same Dimension

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



155, 200, 237



148, 207, 255



155, 188, 237



106, 112, 117



0, 99, 181



0, 30, 54

Inverse Universe

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



237, 155, 170



255, 148, 167



237, 193, 155



117, 106, 108



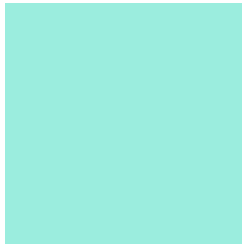
181, 0, 32



54, 0, 10

Previews

White Background



This preview shows how the RYB color 155, 200, 237 looks on a white background.

Color Contrast Check

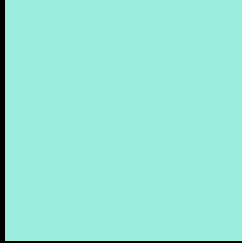
Large Text (above 18pt) WCAG AA × Fail

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, 200, 237 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, 200, 237 Background



This preview shows how black text looks on a background with the RYB color 155, 200, 237.

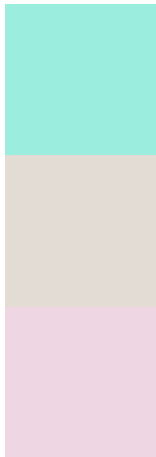


This preview shows how white text looks on a background with the RYB color 155, 200, 237.

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



Original Color
155, 200, 237

Protanopia
227, 227, 213

Deuteranopia
239, 214, 227



Tritanopia
162, 201, 251

Trichromacy



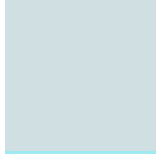
Original Color

155, 200, 237



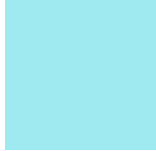
Protanomaly

201, 217, 226



Deuteranomaly

208, 216, 225



Tritanomaly

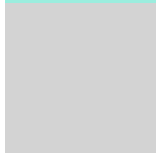
159, 198, 241

Monochromacy



Original Color

155, 200, 237



Achromatopsia

211, 211, 211



Achromatomaly

191, 207, 220

CSS Examples

Text

The CSS property to change the color of the text to RYB 155, 200, 237 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, 237, 222)` looks like.

```
.text, #text, p{  
    color:rgb(155, 237, 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, 237, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 237, 222) }
```

Border

The CSS property to change the border of an element to RYB 155, 200, 237 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, 237, 222) }
```

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

```
.border{ border-color:rgb(155, 237, 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, 237, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 237, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 237, 222);  
box-shadow:4px 4px 4px 4px rgb(155, 237,  
222) }
```

Background

The CSS property to change the background color of an element to RYB 155, 200, 237 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 237, 222) }
```

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

```
.background{ background-color: rgb(155,  
237, 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](#).

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