

Converting Colors

`RYB(163, 195, 233)`

Have a look what the booklet for RYB(163, 195, 233) contains.

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Color

R_YB(163, 195, 233)

Conversions

Conversions Part 1

Format	Color
Hex	A3DEE9
RGB	163, 222, 233
RGB Percent	64%, 87%, 91%
CMY	0.3608, 0.1296, 0.0863
CMYK	0.30, 0.05, 0.00, 0.09
HSL	189°, 61%, 78%
HSV	189°, 30%, 91%
XYZ	55.9195, 65.8843, 86.8605
YIQ	205.6130, -38.6950, -9.0870

Conversions

Conversions Part 2

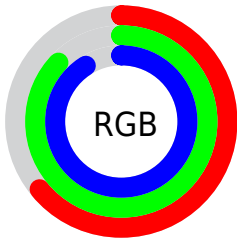
Format	Color
R _Y B	163, 195, 233
Decimal	10739433
CIE Lab	84.94, -16.11, -11.46
CIE LCh	85, 19.769, 215.425
Yxy	65.8843, 0.2680, 0.3157
Android (android.graphics.Color)	4288929513 (0xFFA3DEE9)
YUV	205.6130, 13.5018, -37.3716
Hunter-Lab	81.1692, -19.0727, -6.6288

Details

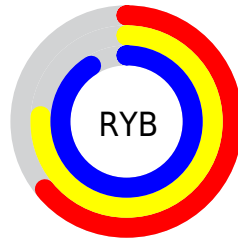
The RYB color **163, 195, 233** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **233, 176, 163**, and the grayscale version is **205, 205, 205**.

A 20% lighter version of the original color is **220, 238, 255**, and **109, 140, 177** is the 20% darker color. If you saturate the color by 10%, you get **140, 182, 233**, and if you desaturate by 10%, it is **186, 208, 233**.

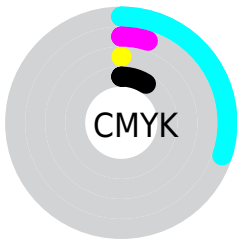
Distribution



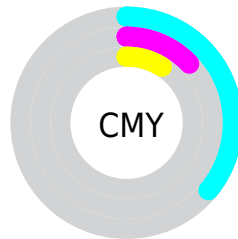
- Red (64%)
- Green (87%)
- Blue (91%)



- Red (64%)
- Yellow (76%)
- Blue (91%)



- Cyan (30%)
- Magenta (5%)
- Yellow (0%)
- Black (9%)



- Cyan (36%)
- Magenta (13%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the RYB color 163, 195, 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 163, 195, 233 by changing the saturation by 10% instead.

■ 163, 195, 233

255, 255, 255

■ 220, 238, 255

■ 249, 252, 255

■ 163, 195, 233

■ 136, 168, 205

■ 109, 140, 177

■ 82, 114, 151

■ 56, 88, 125

■ 27, 61, 100

■ 0, 35, 76


■ 0, 24, 53

■ 0, 14, 32

■ 0, 0, 7

 163, 195, 233


 163, 195, 233

 140, 182, 233


 186, 208, 233

 116, 170, 233


 210, 220, 233

 93, 157, 233


 233, 233, 233

 70, 144, 233

 255, 238, 233

 46, 132, 233

 255, 243, 233

 23, 119, 233

 255, 255, 233

 0, 106, 233

 243, 255, 233

 238, 255, 233

 233, 255, 233

Harmonies

Analogous

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



167, 197, 223



163, 195, 233



174, 201, 245

Triad

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



163, 195, 233



240, 201, 228



189, 223, 175

Complementary

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



163, 195, 233



233, 176, 163

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.



241, 227, 179



163, 195, 233



250, 199, 209

Square

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



163, 195, 233



220, 206, 243



250, 203, 191



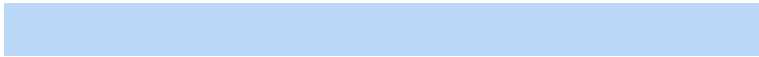
181, 218, 197

Rectangle

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



163, 195, 233



188, 207, 249



250, 203, 191



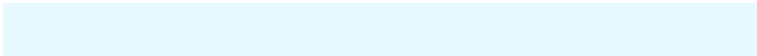
206, 230, 175

Sweetspot

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



163, 195, 233



232, 242, 255



163, 224, 233



113, 120, 128



0, 0, 0



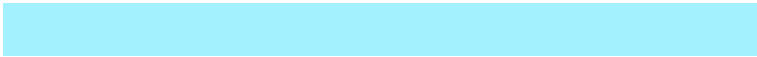
128, 128, 128

Same Dimension

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



163, 195, 233



163, 205, 255



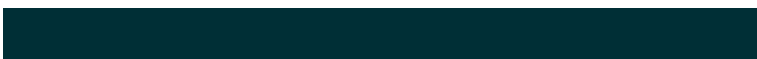
163, 181, 233



106, 111, 117



0, 83, 181



0, 25, 54

Inverse Universe

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



233, 163, 222



255, 163, 241



200, 233, 163



117, 106, 115



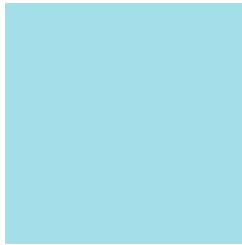
181, 0, 152



54, 0, 45

Previews

White Background



This preview shows how the RYB color 163, 195, 233 looks on a white background.

Color Contrast Check

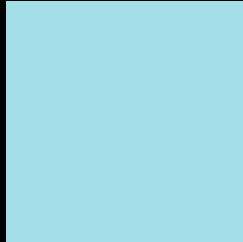
Large Text (above 18pt) WCAG AA × Fail

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 163, 195, 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](#).

R Y B 163, 195, 233 Background



This preview shows how black text looks on a background with the R Y B color 163, 195, 233.

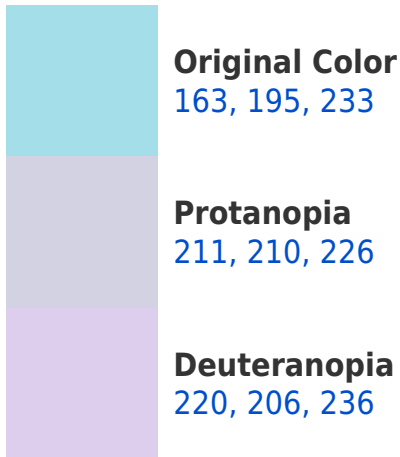



This preview shows how white text looks on a background with the R Y B color 163, 195, 233.

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



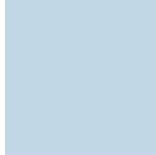


Tritanopia
164, 196, 239

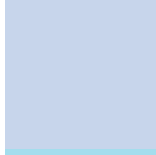
Trichromacy



Original Color
163, 195, 233



Protanomaly
194, 207, 229



Deuteranomaly
199, 209, 235

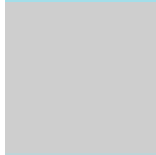


Tritanomaly
164, 196, 237

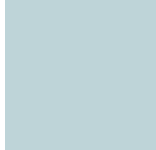
Monochromacy



Original Color
163, 195, 233



Achromatopsia
206, 206, 206



Achromatomaly
190, 202, 216

CSS Examples

Text

The CSS property to change the color of the text to RYB 163, 195, 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(163, 222, 233)` looks like.

```
.text, #text, p{  
    color:rgb(163, 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(163, 222, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 222, 233) }
```

Border

The CSS property to change the border of an element to RYB 163, 195, 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(163, 222, 233) }
```

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

```
.border{ border-color:rgb(163, 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(163, 222, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(163, 222, 233); -webkit-box-shadow:4px 4px 4px 4px rgb(163, 222, 233); box-shadow:4px 4px 4px 4px rgb(163, 222, 233) }
```

Background

The CSS property to change the background color of an element to RYB 163, 195, 233 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 222, 233) }
```

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

```
.background{ background-color: rgb(163,  
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](#).

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