

Converting Colors

`RYB(160, 199, 230)`

Have a look what the booklet for
RYB(160, 199, 230) contains.

RYB(160, 199, 230)	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(160, 199, 230)

Conversions

Conversions Part 1

Format	Color
Hex	A0E6D8
RGB	160, 230, 216
RGB Percent	63%, 90%, 85%
CMY	0.3725, 0.0980, 0.1543
CMYK	0.30, 0.00, 0.06, 0.10
HSL	168°, 58%, 76%
HSV	168°, 30%, 90%
XYZ	55.1423, 69.0065, 75.1360
YIQ	207.4740, -37.2260, -19.1940

Conversions

Conversions Part 2

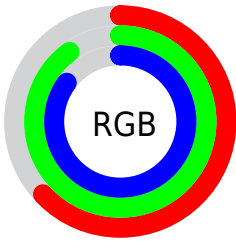
Format	Color
RYB	160, 199, 230
Decimal	10544856
CIELab	86.51, -24.83, 0.00
CIElCh	87, 24.826, 179.999
Yxy	69.0065, 0.2767, 0.3463
Android (android.graphics.Color)	4288734936 (0xFFA0E6D8)
YUV	207.4740, 4.2033, -41.6347
Hunter-Lab	83.0702, -26.8838, 4.5220

Details

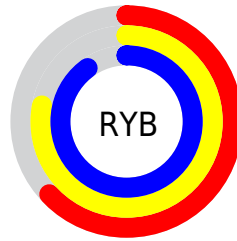
The RYB color **160, 199, 230** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **230, 160, 174**, and the grayscale version is **207, 207, 207**.

A 20% lighter version of the original color is **216, 236, 255**, and **106, 144, 174** is the 20% darker color. If you saturate the color by 10%, you get **137, 189, 230**, and if you desaturate by 10%, it is **183, 209, 230**.

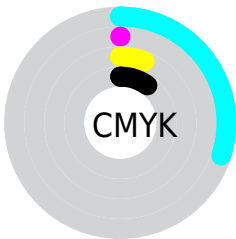
Distribution



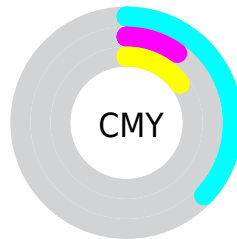
- Red (63%)
- Green (90%)
- Blue (85%)



- Red (63%)
- Yellow (78%)
- Blue (90%)



- Cyan (30%)
- Magenta (0%)
- Yellow (6%)
- Black (10%)




- Cyan (37%)
- Magenta (10%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the RYB color 160, 199, 230 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 160, 199, 230 by changing the saturation by 10% instead.

 160, 199, 230

255, 255, 255


 216, 236, 255

 246, 251, 255

 160, 199, 230


 133, 171, 202

 106, 144, 174


 79, 116, 147

 53, 90, 121

 23, 62, 96

 0, 39, 72


 0, 27, 49

 0, 18, 30


 0, 0, 0

 160, 199, 230


 160, 199, 230

 137, 189, 230


 183, 209, 230

 114, 179, 230


 206, 219, 230

 91, 169, 230


 229, 230, 230

 68, 158, 230

 252, 230, 235

 45, 148, 230

 255, 230, 239

 22, 138, 230

 255, 230, 244

 0, 128, 230

 255, 230, 249

 255, 230, 253

 255, 230, 255

Harmonies

Analogous

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



182, 220, 228



160, 199, 230



151, 192, 239

Triad

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



160, 199, 230



221, 210, 255



254, 226, 177

Complementary

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



160, 199, 230



230, 160, 174

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, 202, 194



160, 199, 230



247, 203, 240

Square

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



160, 199, 230



189, 210, 255



255, 200, 217



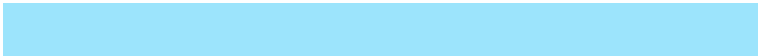
199, 235, 170

Rectangle

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



160, 199, 230



156, 197, 252



255, 200, 217



255, 217, 181

Sweetspot

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



160, 199, 230



232, 245, 255



160, 230, 215



113, 121, 128



0, 0, 0



128, 128, 128

Same Dimension

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



160, 199, 230



161, 213, 255



160, 189, 230



103, 110, 115



0, 100, 179



0, 28, 51

Inverse Universe

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



230, 160, 174



255, 161, 180



230, 188, 160



115, 103, 106



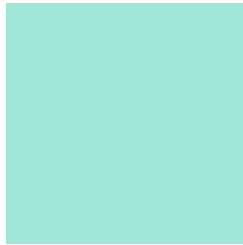
179, 0, 37



51, 0, 10

Previews

White Background



This preview shows how the RYB color 160, 199, 230 looks on a white background.

Color Contrast Check

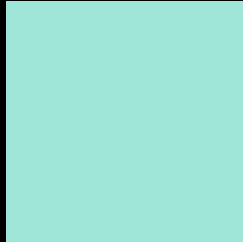
Large Text (above 18pt) WCAG AA × Fail

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 160, 199, 230 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

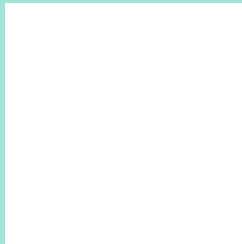
Any Text WCAG AAA ✓ Pass

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

RYB 160, 199, 230 Background



This preview shows how black text looks on a background with the RYB color 160, 199, 230.



This preview shows how white text looks on a background with the RYB color 160, 199, 230.

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





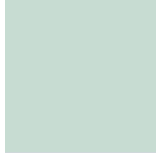
Tritanopia
166, 200, 244

Trichromacy



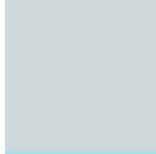
Original Color

160, 199, 230



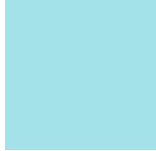
Protanomaly

199, 213, 220



Deuteranomaly

207, 212, 218



Tritanomaly

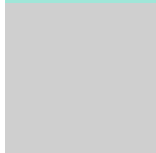
164, 197, 234

Monochromacy



Original Color

160, 199, 230



Achromatopsia

207, 207, 207



Achromatomaly

190, 204, 215

CSS Examples

Text

The CSS property to change the color of the text to RYB 160, 199, 230 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(160, 230, 216)` looks like.

```
.text, #text, p{  
    color:rgb(160, 230, 216)  
}
```

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(160, 230, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 230, 216) }
```

Border

The CSS property to change the border of an element to RYB 160, 199, 230 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(160, 230, 216) }
```

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

```
.border{ border-color:rgb(160, 230, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(160, 230, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(160, 230, 216); -webkit-box-shadow:4px 4px 4px 4px rgb(160, 230, 216); box-shadow:4px 4px 4px 4px rgb(160, 230, 216) }
```

Background

The CSS property to change the background color of an element to RYB 160, 199, 230 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 230, 216) }
```

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

```
.background{ background-color: rgb(160,  
230, 216) }
```

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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