Converting Colors

RYB(164, 207, 235)

Have a look what the booklet for RYB(164, 207, 235) contains.

Color

RYB(164, 207, 235)

Conversions

Conversions Part 1

Format	Color
Hex	A4EBD2
RGB	164, 235, 210
RGB Percent	64%, 92%, 82%
CMY	0.3569, 0.0784, 0.1756
CMYK	0.30, 0.00, 0.11, 0.08
HSL	159°, 64%, 78%
HSV	159°, 30%, 92%
XYZ	56.6800, 71.9739, 72.0298
YIQ	210.9210, -34.2910, -22.8270

Conversions

Conversions Part 2

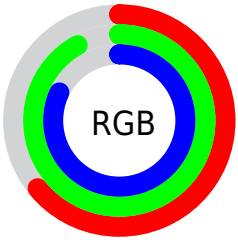
Format	Color
RYB	164, 207, 235
Decimal	10808274
CIELab	87.96, -27.23, 4.97
CIELCh	88, 27.679, 169.660
Yxy	71.9739, 0.2824, 0.3586
Android (android.graphics.Color)	4288998354 (0xFFA4EBD2)
YUV	210.9210, -0.4541, -41.1497
Hunter-Lab	84.8374, -29.2094, 9.0470

Details

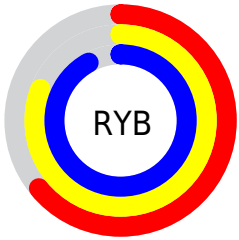
The RYB color 164, 207, 235 is a light color, and the websafe version is hex 99FFFF. A complement of this color would be 235, 164, 189, and the grayscale version is 211, 211, 211.

A 20% lighter version of the original color is 221, 238, 255, and 110, 151, 179 is the 20% darker color. If you saturate the color by 10%, you get 141, 198, 235, and if you desaturate by 10%, it is 188, 217, 235.

Distribution

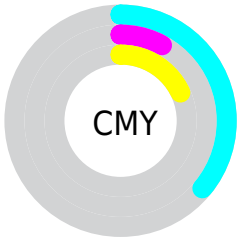


- Red (64%)
- Green (92%)
- Blue (82%)



- Red (64%)
- Yellow (81%)
- Blue (92%)

- Cyan (30%)
- Magenta (0%)
- Yellow (11%)
- Black (8%)



- Cyan (36%)
- Magenta (8%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the RYB color 164, 207, 235 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 164, 207, 235 by changing the saturation by 10% instead.

164, 207, 235	164, 207, 235
255, 255, 255	137, 179, 207
221, 238, 255	110, 151, 179
250, 253, 255	83, 124, 152
	57, 98, 126
	29, 71, 101
	0, 43, 76
	0, 32, 53
	0, 23, 33
	0, 0, 0

164, 207, 235	164, 207, 235
141, 198, 235	188, 217, 235
117, 188, 235	211, 225, 235
94, 179, 235	235, 235, 235
70, 170, 235	255, 235, 243
47, 161, 235	255, 235, 251
23, 151, 235	255, 235, 255
0, 142, 235	

Harmonies

Analogous

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

186, 231, 225

164, 207, 235

147, 191, 237

Triad

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

164, 207, 235

213, 217, 255

255, 220, 182

Complementary

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

164, 207, 235

235, 164, 189

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, 204

164, 207, 235

246, 208, 255

Square

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

164, 207, 235

177, 207, 255

255, 203, 231

225, 249, 169

Rectangle

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

164, 207, 235

147, 195, 253

255, 203, 231

255, 211, 188

Sweetspot

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

164, 207, 235

232, 246, 255

164, 235, 210

113, 122, 128

0, 0, 0

128, 128, 128

Same Dimension

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

164, 207, 235

163, 219, 255

164, 197, 235

106, 113, 117

0, 110, 181

0, 33, 54

Inverse Universe

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

235, 164, 189

255, 163, 195

235, 177, 164

117, 106, 110

181, 0, 63

54, 0, 19

Previews

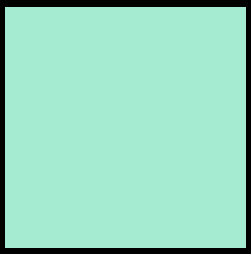
White Background

This preview shows how the RYB color 164, 207, 235 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



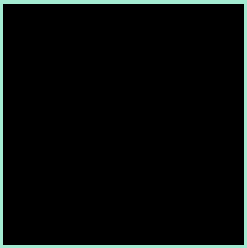
This preview shows how the RYB color 164, 207, 235 looks on a black background.

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 164, 207, 235 Background



This preview shows how black text looks on a background with the RYB color 164, 207, 235.

This preview shows how white text looks on a background with the RYB color 164, 207, 235.

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
164, 207, 235

Protanopia
216, 228, 202

Deuteranopia
243, 213, 215

Tritanopia
172, 205, 248

Trichromacy

Original Color
164, 207, 235

Protanomaly
205, 225, 225

Deuteranomaly
213, 221, 220

Tritanomaly
169, 201, 234

Monochromacy

Original Color
164, 207, 235

Achromatopsia
211, 211, 211

Achromatomaly
194, 210, 220

CSS Examples

Text

The CSS property to change the color of the text to RYB 164, 207, 235 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(164, 235, 210) looks like.

```
.text, #text, p{
    color:rgb(164, 235, 210)
}
```

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(164, 235, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 235, 210) }
```

Border

The CSS property to change the border of an element to RYB 164, 207, 235 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(164, 235, 210) }
```

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

```
.border{ border-color:rgb(164, 235, 210) }
```

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

Here you see how a box with a 4 pixel rgb(164, 235, 210) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(164, 235, 210); -webkit-box-shadow:4px 4px 4px 4px rgb(164, 235, 210); box-shadow:4px 4px 4px 4px rgb(164, 235, 210) }
```

Background

The CSS property to change the background color of an element to RYB 164, 207, 235 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(164, 235, 210) }
```

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

```
.background{ background-color:rgb(164,
235, 210) }
```

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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