

Converting Colors

`RYB(164, 207, 233)`

Have a look what the booklet for
RYB(164, 207, 233) contains.

RYB(164, 207, 233)	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(164, 207, 233)

Conversions

Conversions Part 1

Format	Color
Hex	A4E9CE
RGB	164, 233, 206
RGB Percent	64%, 91%, 81%
CMY	0.3569, 0.0863, 0.1933
CMYK	0.30, 0.00, 0.12, 0.09
HSL	156°, 61%, 78%
HSV	156°, 30%, 91%
XYZ	55.5555, 70.6130, 68.9165
YIQ	209.2910, -32.4570, -23.0250

Conversions

Conversions Part 2

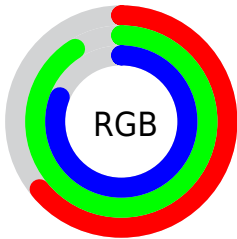
Format	Color
RYB	164, 207, 233
Decimal	10807758
CIELab	87.30, -27.19, 6.38
CIElCh	87, 27.928, 166.797
Yxy	70.6130, 0.2848, 0.3620
Android (android.graphics.Color)	4288997838 (0xFFA4E9CE)
YUV	209.2910, -1.6225, -39.7202
Hunter-Lab	84.0316, -29.0442, 10.1968

Details

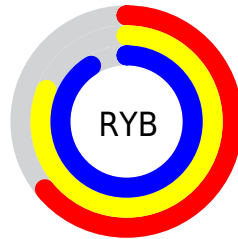
The RYB color **164, 207, 233** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **233, 164, 191**, and the grayscale version is **209, 209, 209**.

A 20% lighter version of the original color is **220, 238, 255**, and **110, 151, 177** is the 20% darker color. If you saturate the color by 10%, you get **141, 198, 233**, and if you desaturate by 10%, it is **187, 216, 233**.

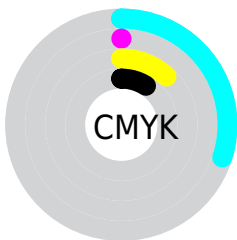
Distribution



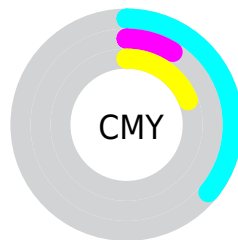
- Red (64%)
- Green (91%)
- Blue (81%)



- Red (64%)
- Yellow (81%)
- Blue (91%)



- Cyan (30%)
- Magenta (0%)
- Yellow (12%)
- Black (9%)



- Cyan (36%)
- Magenta (9%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the RYB color 164, 207, 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 164, 207, 233 by changing the saturation by 10% instead.


 164, 207, 233

 164, 207, 233


255, 255, 255

 137, 179, 205

 220, 238, 255

 110, 151, 177

 249, 252, 255

 84, 124, 150

 58, 98, 124

 30, 71, 99

 0, 44, 75


 0, 31, 51

 0, 24, 32


 0, 0, 0

 164, 207, 233


 164, 207, 233

 141, 198, 233


 187, 216, 233

 117, 189, 233


 211, 225, 233

 94, 181, 233


 234, 233, 233

 71, 172, 233

 255, 233, 243

 48, 163, 233

 255, 233, 252

 24, 154, 233

 255, 233, 255

 1, 146, 233

 0, 145, 233

Harmonies

Analogous

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



182, 229, 218



164, 207, 233



145, 190, 234

Triad

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



164, 207, 233



207, 215, 255



255, 217, 181

Complementary

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



164, 207, 233



233, 164, 191

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, 200, 205



164, 207, 233



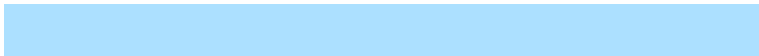
241, 207, 255

Square

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



164, 207, 233



172, 204, 255



255, 201, 232



233, 249, 168

Rectangle

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



164, 207, 233



143, 192, 250



255, 201, 232



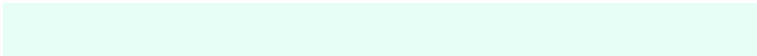
255, 207, 188

Sweetspot

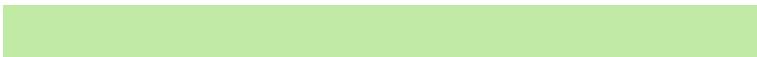
The Sweet Spot groups the original color and five complimentary colors.



164, 207, 233



232, 246, 255



164, 233, 205



113, 122, 128



0, 0, 0



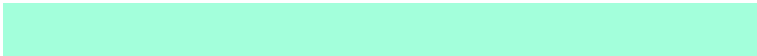
128, 128, 128

Same Dimension

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



164, 207, 233



163, 220, 255



164, 197, 233



106, 113, 117



0, 113, 181



0, 34, 54

Inverse Universe

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



233, 164, 191



255, 163, 199



233, 172, 164



117, 106, 110



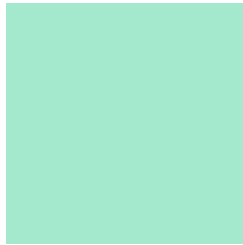
181, 0, 72



54, 0, 21

Previews

White Background



This preview shows how the RYB color 164, 207, 233 looks on a white background.

Color Contrast Check

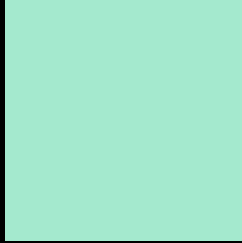
Large Text (above 18pt) WCAG AA × Fail

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 164, 207, 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 164, 207, 233 Background



This preview shows how black text looks on a background with the RYB color 164, 207, 233.

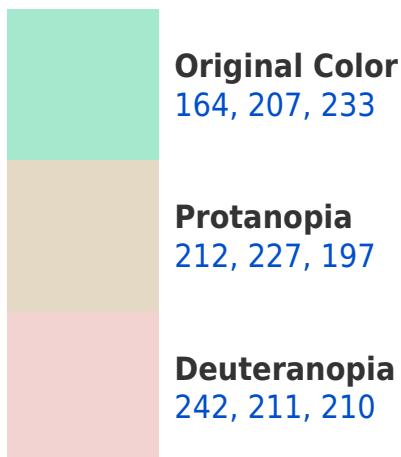


This preview shows how white text looks on a background with the RYB color 164, 207, 233.

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





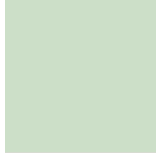
Tritanopia
172, 203, 245

Trichromacy



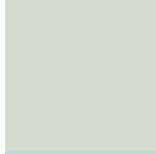
Original Color

164, 207, 233



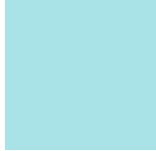
Protanomaly

200, 223, 219



Deuteranomaly

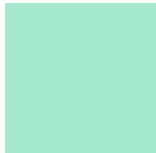
208, 219, 213



Tritanomaly

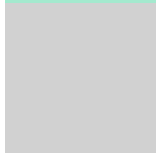
169, 199, 231

Monochromacy



Original Color

164, 207, 233



Achromatopsia

209, 209, 209



Achromatomaly

193, 209, 218

CSS Examples

Text

The CSS property to change the color of the text to RYB 164, 207, 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(164, 233, 206)` looks like.

```
.text, #text, p{  
    color:rgb(164, 233, 206)  
}
```

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, 233, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 233, 206) }
```

Border

The CSS property to change the border of an element to RYB 164, 207, 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(164, 233, 206) }
```

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

```
.border{ border-color:rgb(164, 233, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 233, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(164, 233, 206); -webkit-box-shadow:4px 4px 4px 4px rgb(164, 233, 206); box-shadow:4px 4px 4px 4px rgb(164, 233, 206) }
```

Background

The CSS property to change the background color of an element to RYB 164, 207, 233 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 233, 206) }
```

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

```
.background{ background-color: rgb(164,  
233, 206) }
```

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