

Converting Colors

`RYB(164, 204, 236)`

Have a look what the booklet for
RYB(164, 204, 236) contains.

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Color

R_YB(164, 204, 236)

Conversions

Conversions Part 1

Format	Color
Hex	A4ECDE
RGB	164, 236, 222
RGB Percent	64%, 93%, 87%
CMY	0.3569, 0.0745, 0.1310
CMYK	0.31, 0.00, 0.06, 0.07
HSL	168°, 65%, 78%
HSV	168°, 31%, 93%
XYZ	58.4365, 73.1359, 79.8632
YIQ	212.8760, -38.4180, -19.6180

Conversions

Conversions Part 2

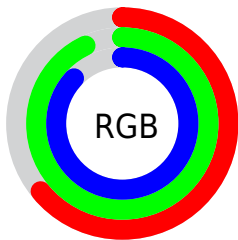
Format	Color
RYB	164, 204, 236
Decimal	10808542
CIELab	88.51, -25.33, -0.17
CIELCh	89, 25.326, 180.393
Yxy	73.1359, 0.2764, 0.3459
Android (android.graphics.Color)	4288998622 (0xFFA4ECDE)
YUV	212.8760, 4.4981, -42.8643
Hunter-Lab	85.5195, -27.6880, 4.4952

Details

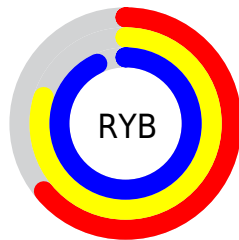
The RYB color **164, 204, 236** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **236, 164, 178**, and the grayscale version is **213, 213, 213**.

A 20% lighter version of the original color is **221, 238, 255**, and **109, 148, 180** is the 20% darker color. If you saturate the color by 10%, you get **140, 193, 236**, and if you desaturate by 10%, it is **188, 215, 236**.

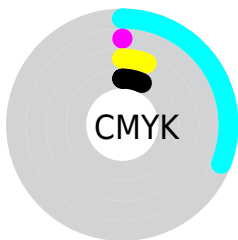
Distribution



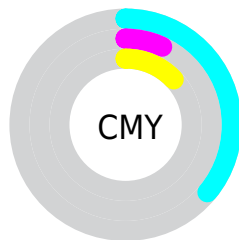
- Red (64%)
- Green (93%)
- Blue (87%)



- Red (64%)
- Yellow (80%)
- Blue (93%)



- Cyan (31%)
- Magenta (0%)
- Yellow (6%)
- Black (7%)



- Cyan (36%)
- Magenta (7%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the RYB color 164, 204, 236 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, 204, 236 by changing the saturation by 10% instead.

 164, 204, 236

 164, 204, 236


255, 255, 255

 136, 176, 208

 221, 238, 255

 109, 148, 180

 250, 253, 255


 83, 122, 153

 56, 95, 127

 27, 68, 102

 0, 41, 77


 0, 29, 54

 0, 19, 33

 0, 0, 0

 164, 204, 236


 164, 204, 236

 140, 193, 236


 188, 215, 236

 117, 183, 236


 211, 225, 236

 93, 173, 236


 235, 236, 236

 70, 162, 236

 255, 236, 240

 46, 152, 236

 255, 236, 245

 22, 141, 236

 255, 236, 250

 0, 131, 236

 255, 236, 255

Harmonies

Analogous

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



187, 225, 234



164, 204, 236



155, 198, 246

Triad

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



164, 204, 236



227, 216, 255



255, 237, 181

Complementary

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



164, 204, 236



236, 164, 178

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, 208, 199



164, 204, 236



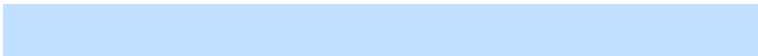
254, 209, 246

Square

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



164, 204, 236



194, 214, 255



255, 205, 223



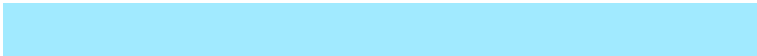
201, 240, 174

Rectangle

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



164, 204, 236



161, 202, 255



255, 205, 223



255, 223, 186

Sweetspot

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



164, 204, 236



232, 245, 255



164, 236, 222



113, 121, 128



0, 0, 0



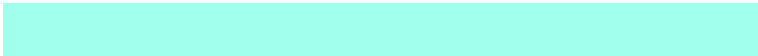
128, 128, 128

Same Dimension

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



164, 204, 236



161, 213, 255



164, 194, 236



106, 112, 117



0, 100, 181



0, 30, 54

Inverse Universe

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



236, 164, 178



255, 161, 180



236, 196, 164



117, 106, 108



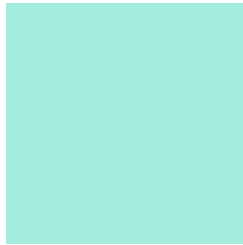
181, 0, 36



54, 0, 11

Previews

White Background



This preview shows how the RYB color 164, 204, 236 looks on a white background.

Color Contrast Check

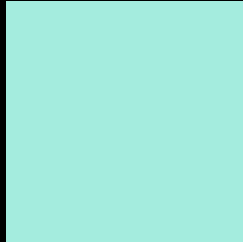
Large Text (above 18pt) WCAG AA × Fail

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, 204, 236 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

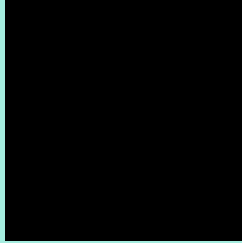
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

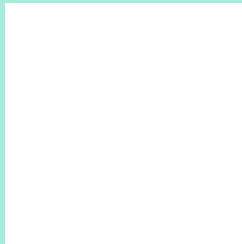
Any Text WCAG AAA ✓ Pass

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

R Y B 164, 204, 236 Background



This preview shows how black text looks on a background with the R Y B color 164, 204, 236.



This preview shows how white text looks on a background with the R Y B color 164, 204, 236.

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





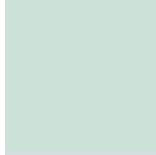
Tritanopia
170, 205, 250

Trichromacy



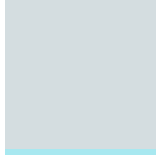
Original Color

164, 204, 236



Protanomaly

204, 218, 226



Deuteranomaly

212, 217, 224



Tritanomaly

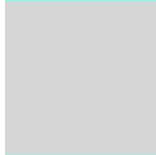
168, 202, 240

Monochromacy



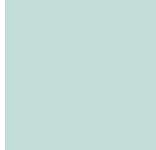
Original Color

164, 204, 236



Achromatopsia

213, 213, 213



Achromatomaly

195, 209, 221

CSS Examples

Text

The CSS property to change the color of the text to RYB 164, 204, 236 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, 236, 222)` looks like.

```
.text, #text, p{  
    color:rgb(164, 236, 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(164, 236, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 236, 222) }
```

Border

The CSS property to change the border of an element to RYB 164, 204, 236 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, 236, 222) }
```

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

```
.border{ border-color:rgb(164, 236, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 236, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 236, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 236, 222);  
box-shadow:4px 4px 4px 4px rgb(164, 236,  
222) }
```

Background

The CSS property to change the background color of an element to RYB 164, 204, 236 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 236, 222) }
```

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

```
.background{ background-color: rgb(164,  
236, 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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