

Converting Colors

`RYB(164, 235, 224)`

Have a look what the booklet for
RYB(164, 235, 224) contains.

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Color

R_YB(164, 235, 224)

Conversions

Conversions Part 1

Format	Color
Hex	AFEBA4
RGB	175, 235, 164
RGB Percent	69%, 92%, 64%
CMY	0.3137, 0.0784, 0.3569
CMYK	0.26, 0.00, 0.30, 0.08
HSL	111°, 64%, 78%
HSV	111°, 30%, 92%
XYZ	54.0884, 71.2110, 46.0163
YIQ	208.9660, -12.9690, -34.8010

Conversions

Conversions Part 2

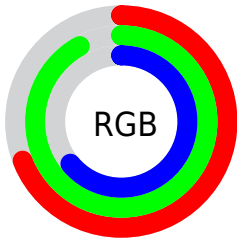
Format	Color
RYB	164, 235, 224
Decimal	11529124
CIELab	87.59, -32.16, 28.51
CIElCh	88, 42.975, 138.439
Yxy	71.2110, 0.3157, 0.4157
Android (android.graphics.Color)	4289719204 (0xFFAFEBA4)
YUV	208.9660, -22.1682, -29.7882
Hunter-Lab	84.3866, -33.2653, 26.7396

Details

The RYB color **164, 235, 224** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **224, 164, 235**, and the grayscale version is **209, 209, 209**.

A 20% lighter version of the original color is **219, 255, 242**, and **112, 179, 170** is the 20% darker color. If you saturate the color by 10%, you get **141, 235, 221**, and if you desaturate by 10%, it is **188, 235, 228**.

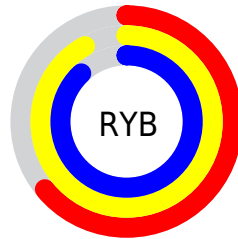
Distribution



Red (69%)

Green (92%)

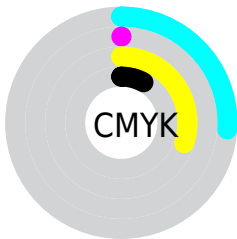
Blue (64%)



Red (64%)

Yellow (92%)

Blue (88%)

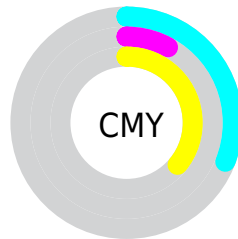


Cyan (26%)

Magenta (0%)

Yellow (30%)

Black (8%)



Cyan (31%)

Magenta (8%)

Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the RYB color 164, 235, 224 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, 235, 224 by changing the saturation by 10% instead.

 164, 235, 224


255, 255, 255


 219, 255, 242


 248, 255, 248

 164, 235, 224

 137, 207, 196

 112, 179, 170


 87, 152, 144

 63, 126, 120

 39, 100, 96

 15, 75, 76


 0, 53, 53

 0, 34, 34

 0, 0, 0


 164, 235, 224

 164, 235, 224

 141, 235, 221

 188, 235, 228

 117, 235, 217

 211, 235, 231

 94, 235, 214

 235, 235, 235

 70, 235, 209

 254, 235, 255

 47, 235, 206

 255, 235, 255

 23, 235, 202

 0, 235, 199

Harmonies

Analogous

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



141, 225, 145



164, 235, 224



124, 194, 241

Triad

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



164, 235, 224



136, 188, 255



255, 189, 196

Complementary

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



164, 235, 224



224, 164, 235

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, 190, 237



164, 235, 224



202, 212, 255

Square

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



164, 235, 224



75, 160, 255



255, 200, 255



255, 223, 160

Rectangle

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



164, 235, 224



89, 169, 242



255, 200, 255



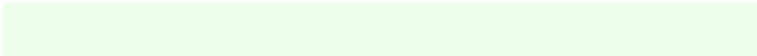
255, 188, 209

Sweetspot

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



164, 235, 224



232, 255, 251



178, 235, 164



113, 128, 125



0, 0, 0



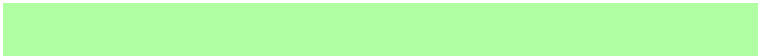
128, 128, 128

Same Dimension

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



164, 235, 224



163, 255, 241



164, 217, 235



106, 117, 116



0, 181, 153



0, 54, 46

Inverse Universe

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



224, 164, 235



241, 163, 255



235, 164, 211



115, 106, 117



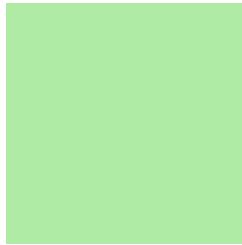
153, 0, 181



45, 0, 54

Previews

White Background



This preview shows how the RYB color 164, 235, 224 looks on a white background.

Color Contrast Check

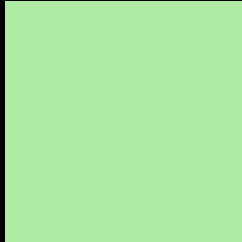
Large Text (above 18pt) WCAG AA × Fail

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, 235, 224 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, 235, 224 Background



This preview shows how black text looks on a background with the R/Y/B color 164, 235, 224.

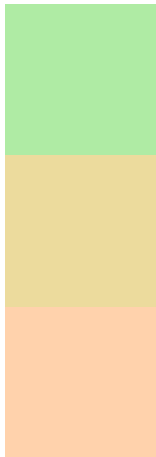


This preview shows how white text looks on a background with the R/Y/B color 164, 235, 224.

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, 235, 224

Protanopia
179, 236, 157

Deuteranopia
255, 242, 172



Tritanopia
188, 210, 243

Trichromacy



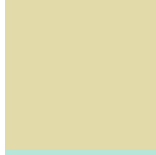
Original Color

164, 235, 224



Protanomaly

160, 225, 171



Deuteranomaly

177, 226, 169



Tritanomaly

183, 210, 229

Monochromacy



Original Color

164, 235, 224



Achromatopsia

209, 209, 209



Achromatomaly

193, 218, 214

CSS Examples

Text

The CSS property to change the color of the text to RYB 164, 235, 224 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(175, 235, 164)` looks like.

```
.text, #text, p{  
    color:rgb(175, 235, 164)  
}
```

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(175, 235, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 235, 164) }
```

Border

The CSS property to change the border of an element to RYB 164, 235, 224 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(175, 235, 164) }
```

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

```
.border{ border-color:rgb(175, 235, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 235, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 235, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 235, 164);  
box-shadow:4px 4px 4px 4px rgb(175, 235,  
164) }
```

Background

The CSS property to change the background color of an element to RYB 164, 235, 224 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 235, 164) }
```

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

```
.background{ background-color: rgb(175,  
235, 164) }
```

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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