

Converting Colors

`RYB(164, 235, 227)`

Have a look what the booklet for
RYB(164, 235, 227) contains.

RYB(164, 235, 227)	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, 235, 227)

Conversions

Conversions Part 1

Format	Color
Hex	ACEBA4
RGB	172, 235, 164
RGB Percent	67%, 92%, 64%
CMY	0.3255, 0.0784, 0.3569
CMYK	0.27, 0.00, 0.30, 0.08
HSL	113°, 64%, 78%
HSV	113°, 30%, 92%
XYZ	53.4224, 70.8677, 45.9851
YIQ	208.0690, -14.7570, -35.4370

Conversions

Conversions Part 2

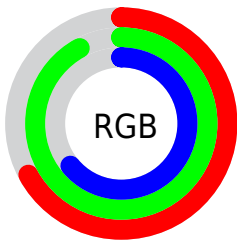
Format	Color
RYB	164, 235, 227
Decimal	11332516
CIELab	87.42, -33.14, 28.26
CIElCh	87, 43.555, 139.551
Yxy	70.8677, 0.3137, 0.4162
Android (android.graphics.Color)	4289522596 (0xFFACEBA4)
YUV	208.0690, -21.7260, -31.6325
Hunter-Lab	84.1829, -34.0441, 26.5407

Details

The RYB color **164, 235, 227** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **227, 164, 235**, and the grayscale version is **208, 208, 208**.

A 20% lighter version of the original color is **219, 255, 245**, and **112, 179, 173** is the 20% darker color. If you saturate the color by 10%, you get **141, 235, 225**, and if you desaturate by 10%, it is **188, 235, 230**.

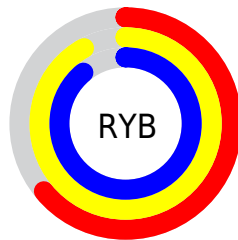
Distribution



Red (67%)

Green (92%)

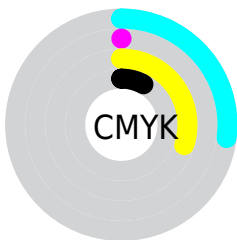
Blue (64%)



Red (64%)

Yellow (92%)

Blue (89%)

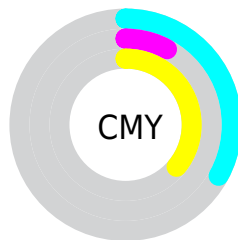


Cyan (27%)

Magenta (0%)

Yellow (30%)

Black (8%)



Cyan (33%)

Magenta (8%)

Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the RYB color 164, 235, 227 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, 227 by changing the saturation by 10% instead.

 164, 235, 227


255, 255, 255


 219, 255, 245


 248, 255, 248


 164, 235, 227

 137, 207, 199

 112, 179, 173


 87, 152, 147

 63, 126, 123

 40, 100, 100

 8, 68, 76


 0, 52, 52

 0, 33, 33

 0, 0, 0

 164, 235, 227

 164, 235, 227

 141, 235, 225

 188, 235, 230

 117, 235, 222

 211, 235, 232

 94, 235, 220

 235, 235, 235

 70, 235, 216

 255, 235, 255

 47, 235, 214

 23, 235, 211

 0, 235, 209

Harmonies

Analogous

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



140, 225, 146



164, 235, 227



120, 191, 240

Triad

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



164, 235, 227



136, 188, 255



255, 188, 193

Complementary

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



164, 235, 227



227, 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, 189, 235



164, 235, 227



203, 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, 227



71, 158, 255



255, 199, 255



255, 226, 158

Rectangle

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



164, 235, 227



84, 166, 242



255, 199, 255



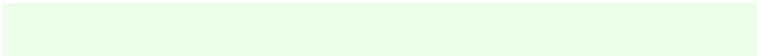
255, 187, 207

Sweetspot

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



164, 235, 227



232, 255, 252



173, 235, 164



113, 128, 126



0, 0, 0



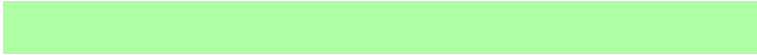
128, 128, 128

Same Dimension

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



164, 235, 227



163, 255, 244



164, 215, 235



106, 117, 116



0, 181, 161



0, 54, 48

Inverse Universe

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



227, 164, 235



245, 163, 255



235, 164, 208



116, 106, 117



161, 0, 181



48, 0, 54

Previews

White Background



This preview shows how the RYB color 164, 235, 227 looks on a white background.

Color Contrast Check

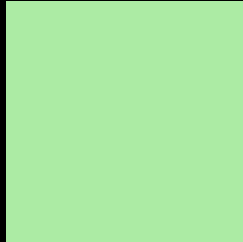
Large Text (above 18pt) WCAG AA × Fail

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, 227 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

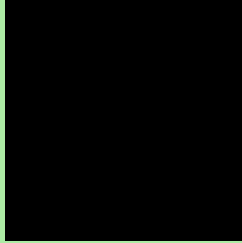
Any Text WCAG AA ✓ Pass

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, 235, 227 Background



This preview shows how black text looks on a background with the RYB color 164, 235, 227.

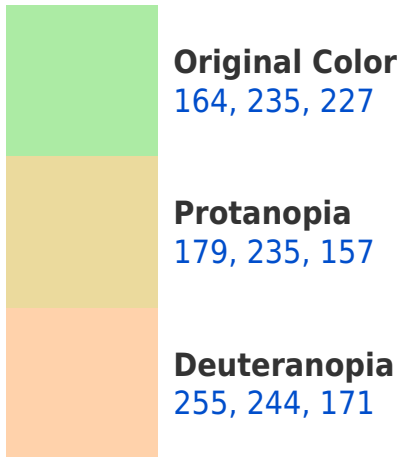


This preview shows how white text looks on a background with the RYB color 164, 235, 227.

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





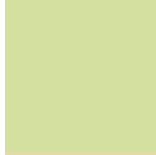
Tritanopia
186, 209, 243

Trichromacy



Original Color

164, 235, 227



Protanomaly

160, 224, 172



Deuteranomaly

175, 225, 168



Tritanomaly

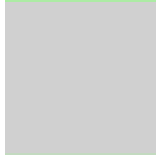
181, 209, 229

Monochromacy



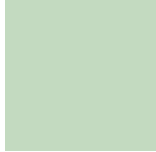
Original Color

164, 235, 227



Achromatopsia

208, 208, 208



Achromatomaly

192, 218, 215

CSS Examples

Text

The CSS property to change the color of the text to RYB 164, 235, 227 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(172, 235, 164)` looks like.

```
.text, #text, p{  
    color:rgb(172, 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(172, 235, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 235, 164) }
```

Border

The CSS property to change the border of an element to RYB 164, 235, 227 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(172, 235, 164) }
```

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

```
.border{ border-color:rgb(172, 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(172, 235, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 235, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 235, 164);  
box-shadow:4px 4px 4px 4px rgb(172, 235,  
164) }
```

Background

The CSS property to change the background color of an element to RYB 164, 235, 227 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 235, 164) }
```

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

```
.background{ background-color: rgb(172,  
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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