

Converting Colors

`RYB(163, 227, 204)`

Have a look what the booklet for
RYB(163, 227, 204) contains.

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Color

R_YB(163, 227, 204)

Conversions

Conversions Part 1

Format	Color
Hex	BAE3A3
RGB	186, 227, 163
RGB Percent	73%, 89%, 64%
CMY	0.2706, 0.1098, 0.3608
CMYK	0.18, 0.00, 0.28, 0.11
HSL	98°, 53%, 76%
HSV	98°, 28%, 89%
XYZ	54.3296, 68.0216, 44.9163
YIQ	207.4450, -3.8920, -28.5960

Conversions

Conversions Part 2

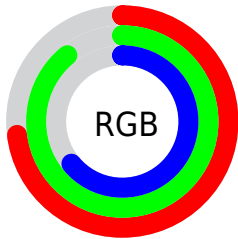
Format	Color
RYB	163, 227, 204
Decimal	12247971
CIELab	86.02, -24.77, 27.01
CIELCh	86, 36.649, 132.527
Yxy	68.0216, 0.3248, 0.4067
Android (android.graphics.Color)	4290438051 (0xFFBAE3A3)
YUV	207.4450, -21.9114, -18.8073
Hunter-Lab	82.4752, -26.7467, 25.4431

Details

The RYB color **163, 227, 204** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **204, 163, 227**, and the grayscale version is **208, 208, 208**.

A 20% lighter version of the original color is **218, 255, 230**, and **111, 171, 150** is the 20% darker color. If you saturate the color by 10%, you get **140, 227, 196**, and if you desaturate by 10%, it is **186, 227, 212**.

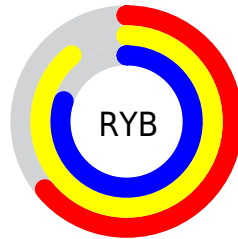
Distribution



Red (73%)

Green (89%)

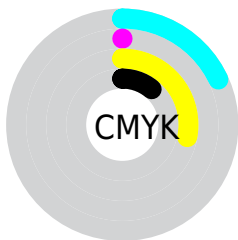
Blue (64%)



Red (64%)

Yellow (89%)

Blue (80%)

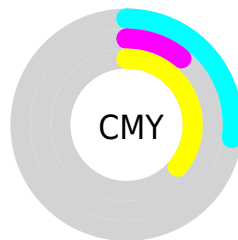


Cyan (18%)

Magenta (0%)

Yellow (28%)

Black (11%)



Cyan (27%)

Magenta (11%)

Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the RYB color 163, 227, 204 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 163, 227, 204 by changing the saturation by 10% instead.


 163, 227, 204


255, 255, 255


 218, 255, 230


 247, 255, 247

 163, 227, 204

 136, 199, 176

 111, 171, 150

 86, 145, 125

 62, 119, 100

 39, 94, 77

 17, 70, 55

 0, 47, 36

 0, 29, 29

 0, 0, 0

■ 163, 227, 204

■ 163, 227, 204

■ 140, 227, 196

■ 186, 227, 212

■ 118, 227, 188

■ 208, 227, 220

■ 95, 227, 180

■ 230, 227, 231

■ 72, 227, 171

■ 244, 227, 254

■ 49, 227, 163

■ 255, 227, 255

■ 27, 227, 155

■ 4, 227, 147

■ 0, 227, 145

Harmonies

Analogous

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



155, 225, 147



163, 227, 204



145, 202, 233

Triad

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



163, 227, 204



139, 188, 255



255, 189, 202

Complementary

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



163, 227, 204



204, 163, 227

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, 192, 237



163, 227, 204



191, 207, 255

Square

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



163, 227, 204



104, 173, 255



238, 201, 255



255, 205, 170

Rectangle

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



163, 227, 204



120, 182, 234



238, 201, 255



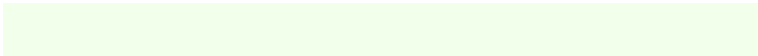
255, 189, 213

Sweetspot

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



163, 227, 204



235, 255, 248



199, 227, 163



115, 128, 124



0, 0, 0



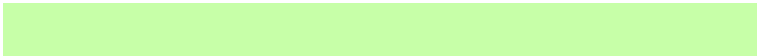
128, 128, 128

Same Dimension

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



163, 227, 204



168, 255, 224



163, 219, 227



103, 115, 111



0, 179, 115



0, 51, 33

Inverse Universe

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



204, 163, 227



224, 168, 255



227, 163, 218



111, 103, 115



114, 0, 179



33, 0, 51

Previews

White Background



This preview shows how the RYB color 163, 227, 204 looks on a white background.

Color Contrast Check

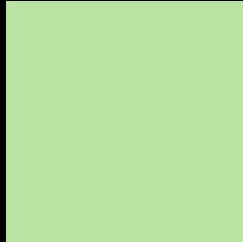
Large Text (above 18pt) WCAG AA × Fail

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 163, 227, 204 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

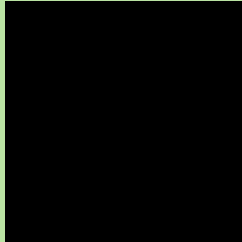
Any Text WCAG AA ✓ Pass

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 163, 227, 204 Background



This preview shows how black text looks on a background with the RYB color 163, 227, 204.

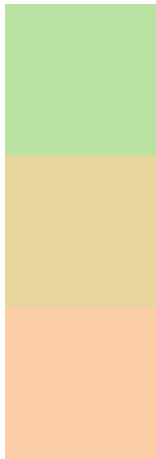


This preview shows how white text looks on a background with the RYB color 163, 227, 204.

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
163, 227, 204

Protanopia
177, 230, 157

Deuteranopia
251, 240, 167



Tritanopia
197, 211, 235

Trichromacy



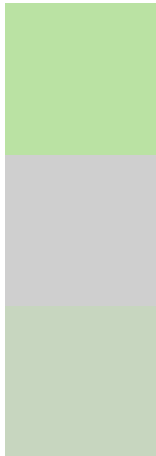
Original Color
163, 227, 204

Protanomaly
159, 219, 164

Deuteranomaly
183, 227, 166

Tritanomaly
193, 211, 221

Monochromacy



Original Color
163, 227, 204

Achromatopsia
207, 207, 207

Achromatomaly
191, 214, 206

CSS Examples

Text

The CSS property to change the color of the text to RYB 163, 227, 204 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(186, 227, 163)` looks like.

```
.text, #text, p{  
    color:rgb(186, 227, 163)  
}
```

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(186, 227, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 227, 163) }
```

Border

The CSS property to change the border of an element to RYB 163, 227, 204 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(186, 227, 163) }
```

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

```
.border{ border-color:rgb(186, 227, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 227, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 227, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 227, 163);  
box-shadow:4px 4px 4px 4px rgb(186, 227,  
163) }
```

Background

The CSS property to change the background color of an element to RYB 163, 227, 204 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 227, 163) }
```

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

```
.background{ background-color: rgb(186,  
227, 163) }
```

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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