

Converting Colors

`RYB(163, 247, 213)`

Have a look what the booklet for
RYB(163, 247, 213) contains.

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Color

R_YB(163, 247, 213)

Conversions

Conversions Part 1

Format	Color
Hex	C5F7A3
RGB	197, 247, 163
RGB Percent	77%, 97%, 64%
CMY	0.2275, 0.0314, 0.3608
CMYK	0.20, 0.00, 0.34, 0.03
HSL	96°, 84%, 80%
HSV	96°, 34%, 97%
XYZ	62.8976, 81.0362, 46.9768
YIQ	222.4740, -2.8360, -36.7240

Conversions

Conversions Part 2

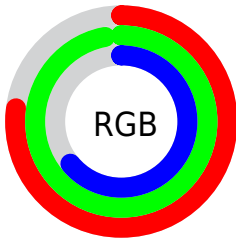
Format	Color
RYB	163, 247, 213
Decimal	12973987
CIELab	92.15, -30.44, 35.34
CIELCh	92, 46.639, 130.743
Yxy	81.0362, 0.3295, 0.4245
Android (android.graphics.Color)	4291164067 (0xFFC5F7A3)
YUV	222.4740, -29.3207, -22.3407
Hunter-Lab	90.0201, -32.8162, 32.0737

Details

The RYB color **163, 247, 213** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **213, 163, 247**, and the grayscale version is **223, 223, 223**.

A 20% lighter version of the original color is **219, 255, 219**, and **110, 190, 158** is the 20% darker color. If you saturate the color by 10%, you get **138, 247, 203**, and if you desaturate by 10%, it is **188, 247, 223**.

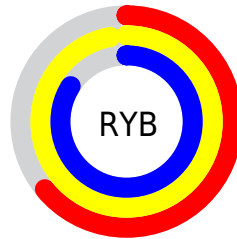
Distribution



Red (77%)

Green (97%)

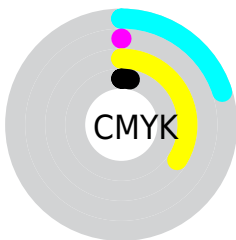
Blue (64%)



Red (64%)

Yellow (97%)

Blue (84%)

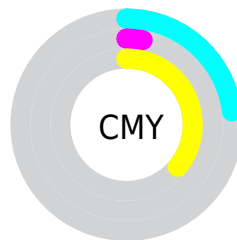


Cyan (20%)

Magenta (0%)

Yellow (34%)

Black (3%)



Cyan (23%)

Magenta (3%)

Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the RYB color 163, 247, 213 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, 247, 213 by changing the saturation by 10% instead.

 163, 247, 213


255, 255, 255


 219, 255, 219


 247, 255, 247

 163, 247, 213


 136, 218, 185


 110, 190, 158

 85, 163, 133


 61, 137, 109

 37, 111, 84

 11, 86, 59

 0, 63, 51

 0, 40, 40

 0, 14, 14

 163, 247, 213

 163, 247, 213

 138, 247, 203

 188, 247, 223

 114, 247, 193

 212, 247, 233

 89, 247, 183

 237, 247, 243

 64, 247, 173

 255, 247, 255

 40, 247, 164

 15, 247, 153

 0, 247, 147

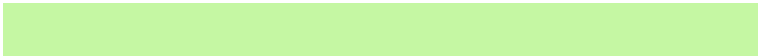
Harmonies

Analogous

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



155, 246, 143



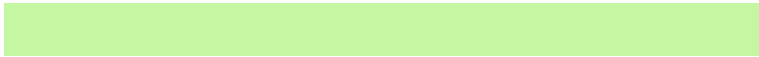
163, 247, 213



141, 215, 254

Triad

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



163, 247, 213



118, 184, 255



255, 198, 218

Complementary

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



163, 247, 213



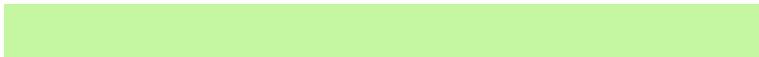
213, 163, 247

Split Complementary

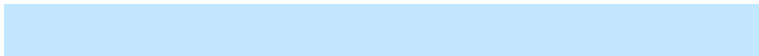
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



255, 202, 255



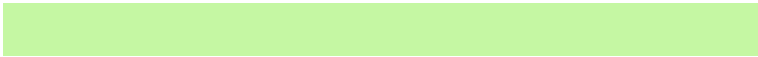
163, 247, 213



194, 217, 255

Square

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



163, 247, 213



50, 152, 255



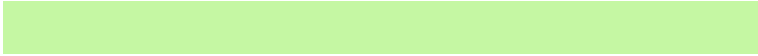
255, 215, 255



255, 222, 176

Rectangle

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



163, 247, 213



101, 184, 255



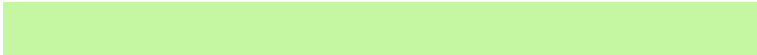
255, 215, 255



255, 198, 233

Sweetspot

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



163, 247, 213



230, 255, 245



223, 247, 163



112, 128, 122



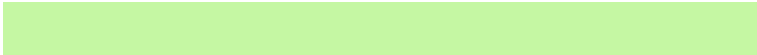
0, 0, 0



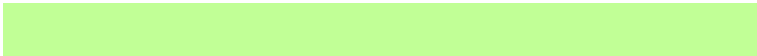
128, 128, 128

Same Dimension

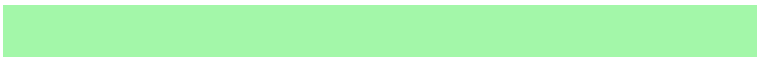
The Same Dimension uses a secret algorithm to generate beautiful new colors.



163, 247, 213



150, 255, 212



163, 241, 247



110, 122, 117



0, 186, 111



0, 59, 35

Inverse Universe

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



213, 163, 247



213, 150, 255



247, 163, 240



117, 110, 122



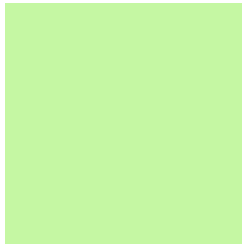
111, 0, 186



35, 0, 59

Previews

White Background



This preview shows how the RYB color 163, 247, 213 looks on a white background.

Color Contrast Check

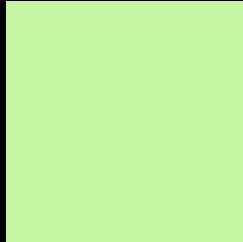
Large Text (above 18pt) WCAG AA × Fail

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, 247, 213 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

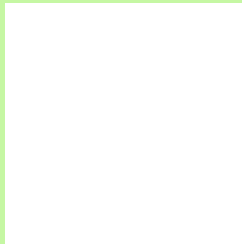
Any Text WCAG AAA ✓ Pass

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

RYB 163, 247, 213 Background



This preview shows how black text looks on a background with the RYB color 163, 247, 213.

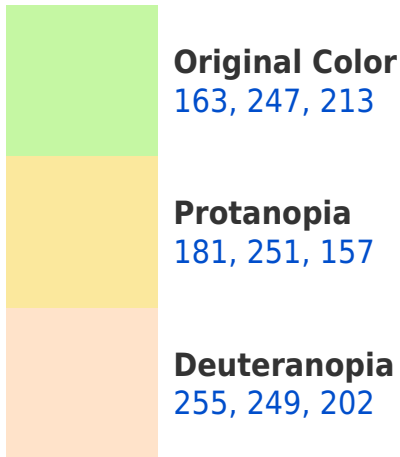


This preview shows how white text looks on a background with the RYB color 163, 247, 213.

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





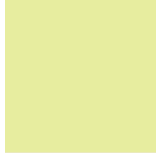
Tritanopia
211, 227, 254

Trichromacy



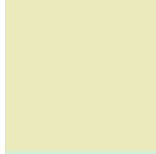
Original Color

163, 247, 213



Protanomaly

159, 237, 165



Deuteranomaly

188, 234, 188



Tritanomaly

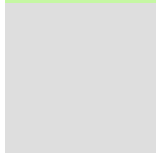
206, 230, 240

Monochromacy



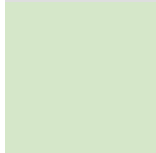
Original Color

163, 247, 213



Achromatopsia

222, 222, 222



Achromatomaly

201, 231, 219

CSS Examples

Text

The CSS property to change the color of the text to RYB 163, 247, 213 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(197, 247, 163)` looks like.

```
.text, #text, p{  
    color:rgb(197, 247, 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(197, 247, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 247, 163) }
```

Border

The CSS property to change the border of an element to RYB 163, 247, 213 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(197, 247, 163) }
```

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

```
.border{ border-color:rgb(197, 247, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(197, 247, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 247, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 247, 163);  
box-shadow:4px 4px 4px 4px rgb(197, 247,  
163) }
```

Background

The CSS property to change the background color of an element to RYB 163, 247, 213 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 247, 163) }
```

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

```
.background{ background-color: rgb(197,  
247, 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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