

Converting Colors

`RYB(160, 242, 213)`

Have a look what the booklet for
RYB(160, 242, 213) contains.

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Color

R_YB(160, 242, 213)

Conversions

Conversions Part 1

Format	Color
Hex	BDF2A0
RGB	189, 242, 160
RGB Percent	74%, 95%, 63%
CMY	0.2588, 0.0510, 0.3725
CMYK	0.22, 0.00, 0.34, 0.05
HSL	99°, 76%, 79%
HSV	99°, 34%, 95%
XYZ	59.0836, 76.8611, 44.9794
YIQ	216.8050, -5.2660, -36.7380

Conversions

Conversions Part 2

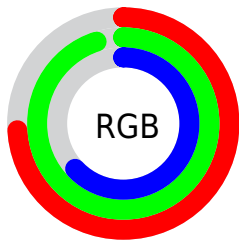
Format	Color
RYB	160, 242, 213
Decimal	12448416
CIELab	90.26, -31.28, 34.25
CIELCh	90, 46.387, 132.408
Yxy	76.8611, 0.3266, 0.4248
Android (android.graphics.Color)	4290638496 (0xFFBDF2A0)
YUV	216.8050, -28.0049, -24.3850
Hunter-Lab	87.6705, -33.1273, 30.9506

Details

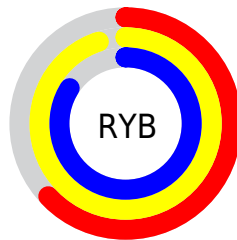
The RYB color **160, 242, 213** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **213, 160, 242**, and the grayscale version is **217, 217, 217**.

A 20% lighter version of the original color is **215, 255, 224**, and **108, 186, 160** is the 20% darker color. If you saturate the color by 10%, you get **136, 242, 205**, and if you desaturate by 10%, it is **184, 242, 221**.

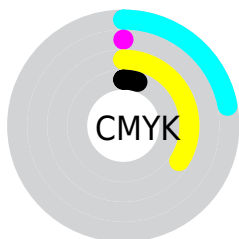
Distribution



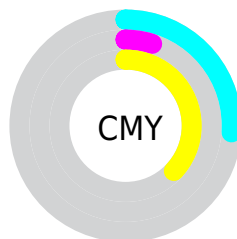
- Red (74%)
- Green (95%)
- Blue (63%)



- Red (63%)
- Yellow (95%)
- Blue (84%)



- Cyan (22%)
- Magenta (0%)
- Yellow (34%)
- Black (5%)



- Cyan (26%)
- Magenta (5%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the RYB color 160, 242, 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 160, 242, 213 by changing the saturation by 10% instead.

 160, 242, 213

255, 255, 255


 215, 255, 224


 244, 255, 244

 160, 242, 213

 133, 213, 185

 108, 186, 160


 82, 158, 132

 58, 132, 108

 34, 107, 85

 9, 82, 61

 0, 58, 55

 0, 37, 37

 0, 2, 2

■ 160, 242, 213

■ 160, 242, 213

■ 136, 242, 205

■ 184, 242, 221

■ 112, 242, 196

■ 208, 242, 230

■ 87, 242, 187

■ 233, 242, 239

■ 63, 242, 179

■ 252, 242, 255

■ 39, 242, 170

■ 255, 242, 255

■ 15, 242, 162

■ 0, 242, 156

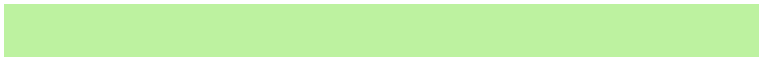
Harmonies

Analogous

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



148, 238, 139



160, 242, 213



133, 207, 249

Triad

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



160, 242, 213



117, 182, 255



255, 193, 210

Complementary

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



160, 242, 213



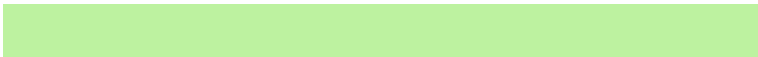
213, 160, 242

Split Complementary

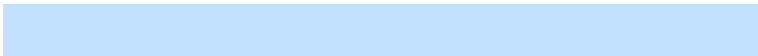
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



255, 196, 255



160, 242, 213



193, 214, 255

Square

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



160, 242, 213



43, 147, 255



255, 209, 255



255, 220, 169

Rectangle

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



160, 242, 213



92, 177, 251



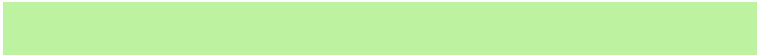
255, 209, 255



255, 193, 225

Sweetspot

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



160, 242, 213



230, 255, 246



207, 242, 160



112, 128, 122



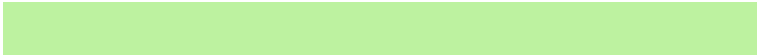
0, 0, 0



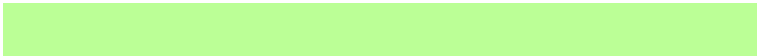
128, 128, 128

Same Dimension

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



160, 242, 213



150, 255, 218



160, 232, 242



108, 120, 116



0, 184, 119



0, 56, 36

Inverse Universe

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



213, 160, 242



218, 150, 255



242, 160, 231



116, 108, 120



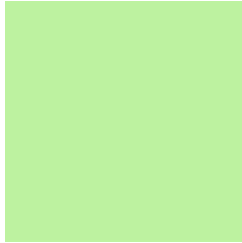
119, 0, 184



36, 0, 56

Previews

White Background



This preview shows how the RYB color 160, 242, 213 looks on a white background.

Color Contrast Check

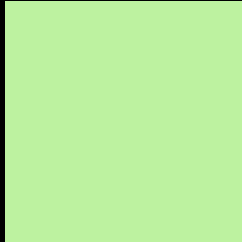
Large Text (above 18pt) WCAG AA × Fail

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 160, 242, 213 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

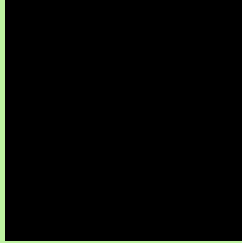
Any Text WCAG AA ✓ Pass

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 160, 242, 213 Background



This preview shows how black text looks on a background with the RYB color 160, 242, 213.

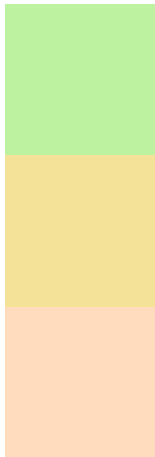


This preview shows how white text looks on a background with the RYB color 160, 242, 213.

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



Original Color
160, 242, 213

Protanopia
177, 245, 153

Deuteranopia
255, 247, 189



Tritanopia
203, 220, 249

Trichromacy



Original Color

160, 242, 213



Protanomaly

156, 232, 163



Deuteranomaly

181, 231, 178



Tritanomaly

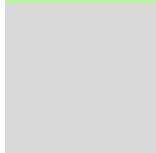
198, 222, 235

Monochromacy



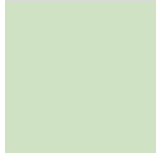
Original Color

160, 242, 213



Achromatopsia

217, 217, 217



Achromatomaly

196, 226, 215

CSS Examples

Text

The CSS property to change the color of the text to RYB 160, 242, 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(189, 242, 160)` looks like.

```
.text, #text, p{  
    color:rgb(189, 242, 160)  
}
```

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(189, 242, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 242, 160) }
```

Border

The CSS property to change the border of an element to RYB 160, 242, 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(189, 242, 160) }
```

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

```
.border{ border-color:rgb(189, 242, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 242, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 242, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 242, 160);  
box-shadow:4px 4px 4px 4px rgb(189, 242,  
160) }
```

Background

The CSS property to change the background color of an element to RYB 160, 242, 213 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 242, 160) }
```

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

```
.background{ background-color: rgb(189,  
242, 160) }
```

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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