

Converting Colors

`RYB(148, 242, 200)`

Have a look what the booklet for
RYB(148, 242, 200) contains.

RYB(148, 242, 200)	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(148, 242, 200)

Conversions

Conversions Part 1

Format	Color
Hex	BEF294
RGB	190, 242, 148
RGB Percent	75%, 95%, 58%
CMY	0.2549, 0.0510, 0.4196
CMYK	0.21, 0.00, 0.39, 0.05
HSL	93°, 78%, 76%
HSV	93°, 39%, 95%
XYZ	58.3326, 76.5895, 39.7258
YIQ	215.7360, -0.8180, -40.2580

Conversions

Conversions Part 2

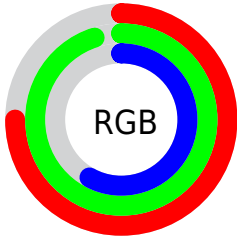
Format	Color
RYB	148, 242, 200
Decimal	12513940
CIELab	90.13, -32.56, 40.08
CIElCh	90, 51.635, 129.092
Yxy	76.5895, 0.3340, 0.4385
Android (android.graphics.Color)	4290704020 (0xFFBEF294)
YUV	215.7360, -33.3938, -22.5705
Hunter-Lab	87.5154, -34.1745, 34.3474

Details

The RYB color **148, 242, 200** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **200, 148, 242**, and the grayscale version is **216, 216, 216**.

A 20% lighter version of the original color is **203, 255, 210**, and **96, 186, 147** is the 20% darker color. If you saturate the color by 10%, you get **124, 242, 189**, and if you desaturate by 10%, it is **172, 242, 211**.

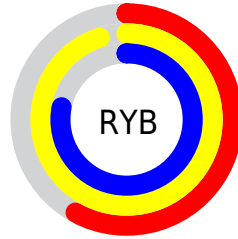
Distribution



Red (75%)

Green (95%)

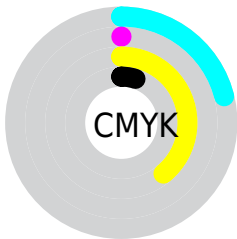
Blue (58%)



Red (58%)

Yellow (95%)

Blue (78%)

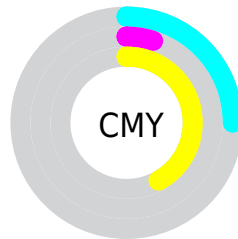


Cyan (21%)

Magenta (0%)

Yellow (39%)

Black (5%)



Cyan (25%)

Magenta (5%)

Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the RYB color 148, 242, 200 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 148, 242, 200 by changing the saturation by 10% instead.

 148, 242, 200


255, 255, 255


 203, 255, 210

 232, 255, 232

 148, 242, 200


 122, 213, 173

 96, 186, 147

 71, 158, 121

 46, 132, 96

 20, 107, 71

 0, 82, 53

 0, 58, 58

 0, 37, 37

 0, 1, 1

 148, 242, 200

 148, 242, 200

 124, 242, 189

 172, 242, 211

 100, 242, 179

 196, 242, 221

 75, 242, 167

 221, 242, 233

 51, 242, 157

 244, 242, 245

 27, 242, 146

 255, 242, 255

 3, 242, 135

 0, 242, 134

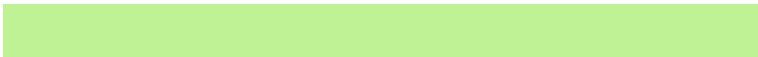
Harmonies

Analogous

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



144, 244, 127



148, 242, 200



126, 208, 250

Triad

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



148, 242, 200



74, 161, 255



255, 187, 213

Complementary

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



148, 242, 200



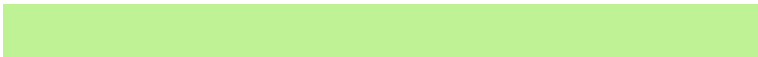
200, 148, 242

Split Complementary

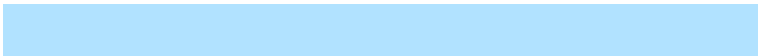
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



255, 192, 255



148, 242, 200



177, 207, 255

Square

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



148, 242, 200



0, 126, 255



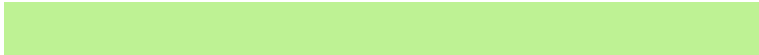
251, 208, 255



255, 208, 167

Rectangle

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



148, 242, 200



69, 169, 253



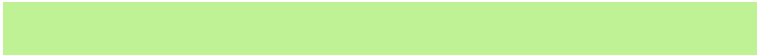
251, 208, 255



255, 187, 230

Sweetspot

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



148, 242, 200



224, 255, 241



224, 242, 148



110, 128, 120



0, 0, 0



128, 128, 128

Same Dimension

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



148, 242, 200



135, 255, 201



148, 237, 242



108, 120, 115



0, 184, 102



0, 56, 31

Inverse Universe

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



200, 148, 242



201, 135, 255



242, 148, 237



114, 108, 120



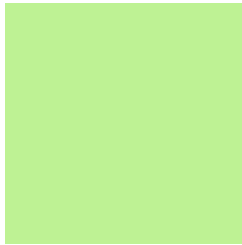
102, 0, 184



31, 0, 56

Previews

White Background



This preview shows how the RYB color 148, 242, 200 looks on a white background.

Color Contrast Check

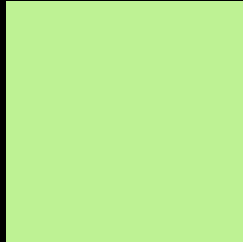
Large Text (above 18pt) WCAG AA × Fail

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 148, 242, 200 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

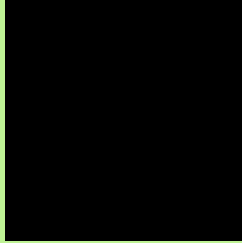
Any Text WCAG AA ✓ Pass

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 148, 242, 200 Background



This preview shows how black text looks on a background with the RYB color 148, 242, 200.

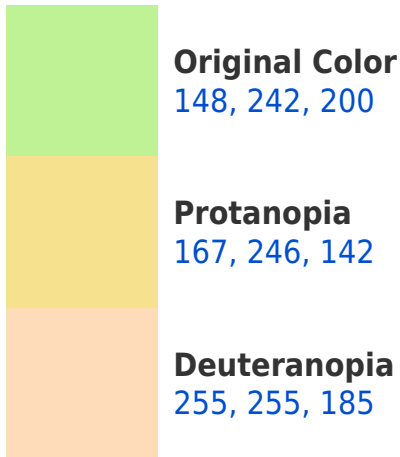


This preview shows how white text looks on a background with the RYB color 148, 242, 200.

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





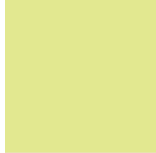
Tritanopia
205, 221, 248

Trichromacy



Original Color

148, 242, 200



Protanomaly

144, 232, 150



Deuteranomaly

175, 231, 172



Tritanomaly

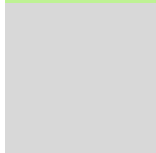
200, 225, 234

Monochromacy



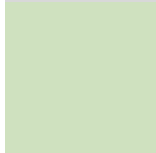
Original Color

148, 242, 200



Achromatopsia

216, 216, 216



Achromatomaly

191, 225, 209

CSS Examples

Text

The CSS property to change the color of the text to RYB 148, 242, 200 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(190, 242, 148)` looks like.

```
.text, #text, p{  
    color:rgb(190, 242, 148)  
}
```

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(190, 242, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 242, 148) }
```

Border

The CSS property to change the border of an element to RYB 148, 242, 200 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(190, 242, 148) }
```

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

```
.border{ border-color:rgb(190, 242, 148) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 242, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(190, 242, 148); -webkit-box-shadow:4px 4px 4px 4px rgb(190, 242, 148); box-shadow:4px 4px 4px 4px rgb(190, 242, 148) }
```

Background

The CSS property to change the background color of an element to RYB 148, 242, 200 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 242, 148) }
```

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

```
.background{ background-color: rgb(190,  
242, 148) }
```

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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