

Converting Colors

`RYB(146, 233, 196)`

Have a look what the booklet for
RYB(146, 233, 196) contains.

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Color

R_YB(146, 233, 196)

Conversions

Conversions Part 1

Format	Color
Hex	B7E992
RGB	183, 233, 146
RGB Percent	72%, 91%, 57%
CMY	0.2824, 0.0863, 0.4275
CMYK	0.21, 0.00, 0.37, 0.09
HSL	94°, 66%, 74%
HSV	94°, 37%, 91%
XYZ	53.8557, 70.4204, 37.9481
YIQ	208.1320, -1.8730, -37.6570

Conversions

Conversions Part 2

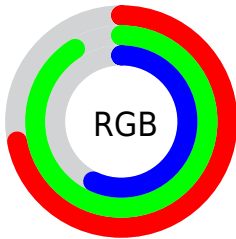
Format	Color
RYB	146, 233, 196
Decimal	12052882
CIELab	87.20, -31.09, 37.19
CIELCh	87, 48.474, 129.898
Yxy	70.4204, 0.3320, 0.4341
Android (android.graphics.Color)	4290242962 (0xFFB7E992)
YUV	208.1320, -30.6311, -22.0408
Hunter-Lab	83.9169, -32.2979, 31.9302

Details

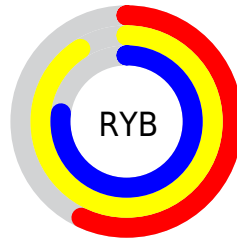
The RYB color **146, 233, 196** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **196, 146, 233**, and the grayscale version is **208, 208, 208**.

A 20% lighter version of the original color is **201, 255, 216**, and **94, 177, 143** is the 20% darker color. If you saturate the color by 10%, you get **123, 233, 186**, and if you desaturate by 10%, it is **169, 233, 206**.

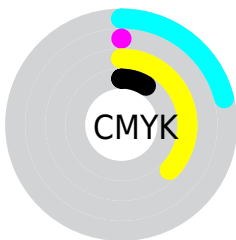
Distribution



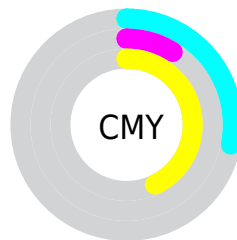
- Red (72%)
- Green (91%)
- Blue (57%)



- Red (57%)
- Yellow (91%)
- Blue (77%)



- Cyan (21%)
- Magenta (0%)
- Yellow (37%)
- Black (9%)



- Cyan (28%)
- Magenta (9%)
- Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the RYB color 146, 233, 196 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 146, 233, 196 by changing the saturation by 10% instead.

 146, 233, 196


255, 255, 255


 201, 255, 216

 229, 255, 229

 146, 233, 196

 120, 205, 170

 94, 177, 143


 69, 150, 117

 45, 124, 93

 20, 99, 68

 0, 75, 51

 0, 51, 51

 0, 33, 33

 0, 0, 0

 146, 233, 196

 146, 233, 196

 123, 233, 186

 169, 233, 206

 99, 233, 176

 193, 233, 216

 76, 233, 166

 216, 233, 226

 53, 233, 157

 237, 233, 239

 30, 233, 147

 250, 233, 255

 6, 233, 136

 255, 233, 255

 0, 233, 134

Harmonies

Analogous

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



140, 233, 126



146, 233, 196



124, 201, 241

Triad

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



146, 233, 196



87, 165, 255



255, 182, 205

Complementary

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



146, 233, 196



196, 146, 233

Split Complementary

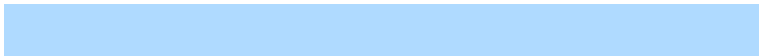
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



255, 186, 251



146, 233, 196



175, 203, 255

Square

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



146, 233, 196



0, 124, 255



243, 201, 255



255, 202, 162

Rectangle

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



146, 233, 196



75, 166, 243



243, 201, 255



255, 182, 220

Sweetspot

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



146, 233, 196



227, 255, 243



213, 233, 146



111, 128, 121



0, 0, 0



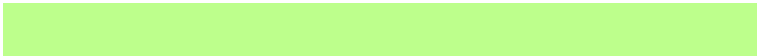
128, 128, 128

Same Dimension

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



146, 233, 196



140, 255, 206



146, 227, 233



106, 117, 112



0, 181, 104



0, 54, 31

Inverse Universe

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



196, 146, 233



206, 140, 255



233, 146, 227



112, 106, 117



104, 0, 181



31, 0, 54

Previews

White Background



This preview shows how the RYB color 146, 233, 196 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 146, 233, 196 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 146, 233, 196 Background



This preview shows how black text looks on a background with the RYB color 146, 233, 196.



This preview shows how white text looks on a background with the RYB color 146, 233, 196.

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
146, 233, 196

Protanopia
164, 237, 140

Deuteranopia
247, 255, 161



Tritanopia
197, 213, 239

Trichromacy



Original Color

146, 233, 196



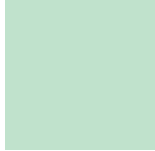
Protanomaly

142, 223, 148



Deuteranomaly

169, 229, 156



Tritanomaly

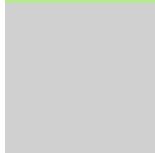
192, 217, 226

Monochromacy



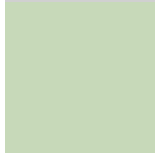
Original Color

146, 233, 196



Achromatopsia

208, 208, 208



Achromatomaly

185, 217, 203

CSS Examples

Text

The CSS property to change the color of the text to RGB 146, 233, 196 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(183, 233, 146)` looks like.

```
.text, #text, p{  
    color:rgb(183, 233, 146)  
}
```

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(183, 233, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 233, 146) }
```

Border

The CSS property to change the border of an element to RYB 146, 233, 196 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(183, 233, 146) }
```

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

```
.border{ border-color:rgb(183, 233, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 233, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 233, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 233, 146);  
box-shadow:4px 4px 4px 4px rgb(183, 233,  
146) }
```

Background

The CSS property to change the background color of an element to RYB 146, 233, 196 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 233, 146) }
```

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

```
.background{ background-color: rgb(183,  
233, 146) }
```

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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