

Converting Colors

`RYB(146, 226, 205)`

Have a look what the booklet for
RYB(146, 226, 205) contains.

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Color

RYB(146, 226, 205)

Conversions

Conversions Part 1

Format	Color
Hex	A7E292
RGB	167, 226, 146
RGB Percent	65%, 89%, 57%
CMY	0.3451, 0.1137, 0.4275
CMYK	0.26, 0.00, 0.35, 0.11
HSL	104°, 58%, 73%
HSV	104°, 35%, 89%
XYZ	48.3210, 64.6835, 37.1325
YIQ	199.2390, -9.4840, -37.3880

Conversions

Conversions Part 2

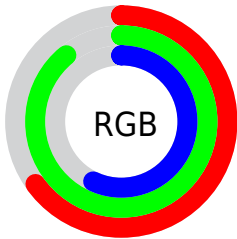
Format	Color
RYB	146, 226, 205
Decimal	11002514
CIELab	84.32, -33.36, 33.23
CIELCh	84, 47.088, 135.106
Yxy	64.6835, 0.3218, 0.4308
Android (android.graphics.Color)	4289192594 (0xFFA7E292)
YUV	199.2390, -26.2468, -28.2736
Hunter-Lab	80.4261, -33.5005, 28.9242

Details

The RYB color **146, 226, 205** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **205, 146, 226**, and the grayscale version is **200, 200, 200**.

A 20% lighter version of the original color is **201, 255, 233**, and **94, 170, 151** is the 20% darker color. If you saturate the color by 10%, you get **123, 226, 199**, and if you desaturate by 10%, it is **169, 226, 211**.

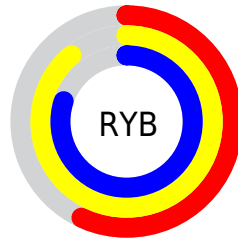
Distribution



Red (65%)

Green (89%)

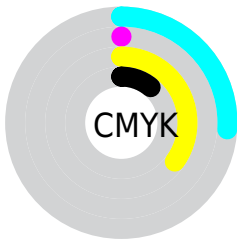
Blue (57%)



Red (57%)

Yellow (89%)

Blue (80%)

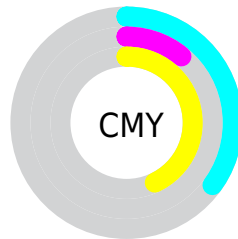


Cyan (26%)

Magenta (0%)

Yellow (35%)

Black (11%)



Cyan (35%)

Magenta (11%)

Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the RYB color 146, 226, 205 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, 226, 205 by changing the saturation by 10% instead.


 146, 226, 205


255, 255, 255


 201, 255, 233


 229, 255, 231

 146, 226, 205

 120, 198, 178

 94, 170, 151

 70, 144, 127

 46, 118, 103

 22, 93, 80

 0, 68, 66

 0, 46, 46

 0, 24, 24

 0, 0, 0

 146, 226, 205

 146, 226, 205

 123, 226, 199

 169, 226, 211

 101, 226, 193

 191, 226, 217

 78, 226, 187

 214, 226, 223

 56, 226, 182

 234, 226, 236

 33, 226, 175

 250, 226, 255

 10, 226, 169

 255, 226, 255

 0, 226, 167

Harmonies

Analogous

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



125, 217, 123



146, 226, 205



108, 184, 232

Triad

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



146, 226, 205



100, 168, 255



255, 176, 189

Complementary

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



146, 226, 205



205, 146, 226

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, 178, 234



146, 226, 205



182, 201, 255

Square

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



146, 226, 205



0, 121, 255



244, 191, 255



255, 204, 149

Rectangle

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



146, 226, 205



56, 149, 234



244, 191, 255



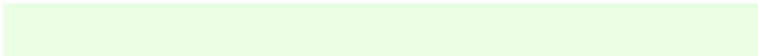
255, 175, 204

Sweetspot

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



146, 226, 205



227, 255, 248



174, 226, 146



111, 128, 124



0, 0, 0



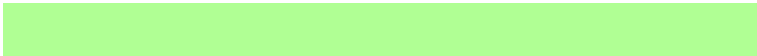
128, 128, 128

Same Dimension

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



146, 226, 205



148, 255, 227



146, 211, 226



101, 112, 109



0, 176, 130



0, 48, 35

Inverse Universe

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



205, 146, 226



227, 148, 255



226, 146, 207



109, 101, 112



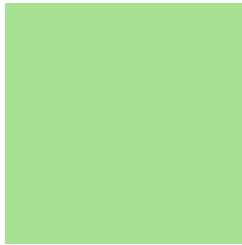
130, 0, 176



36, 0, 48

Previews

White Background



This preview shows how the RYB color 146, 226, 205 looks on a white background.

Color Contrast Check

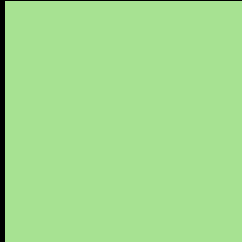
Large Text (above 18pt) WCAG AA × Fail

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, 226, 205 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, 226, 205 Background



This preview shows how black text looks on a background with the RYB color 146, 226, 205.

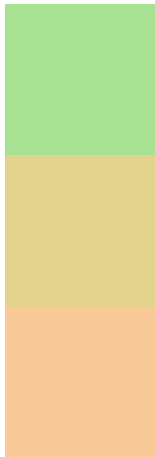


This preview shows how white text looks on a background with the RYB color 146, 226, 205.

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, 226, 205

Protanopia
160, 227, 139

Deuteranopia
247, 249, 152



Tritanopia
181, 202, 233

Trichromacy



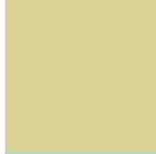
Original Color

146, 226, 205



Protanomaly

142, 216, 153



Deuteranomaly

160, 219, 150



Tritanomaly

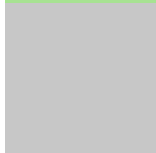
176, 203, 219

Monochromacy



Original Color

146, 226, 205



Achromatopsia

199, 199, 199



Achromatomaly

180, 209, 202

CSS Examples

Text

The CSS property to change the color of the text to RYB 146, 226, 205 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(167, 226, 146)` looks like.

```
.text, #text, p{  
    color:rgb(167, 226, 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(167, 226, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 226, 146) }
```

Border

The CSS property to change the border of an element to RYB 146, 226, 205 is called "border". The border property can be set on classes, ids or directly on the HTML element.

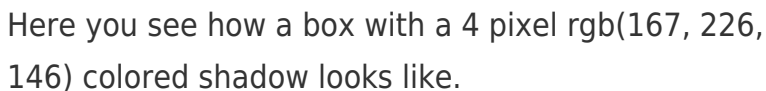
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(167, 226, 146) }
```

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

```
.border{ border-color:rgb(167, 226, 146) }
```

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



Here you see how a box with a 4 pixel `rgb(167, 226, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(167, 226, 146); -webkit-box-shadow:4px 4px 4px 4px rgb(167, 226, 146); box-shadow:4px 4px 4px 4px rgb(167, 226, 146) }
```

Background

The CSS property to change the background color of an element to RYB 146, 226, 205 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 226, 146) }
```

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

```
.background{ background-color: rgb(167,  
226, 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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