

Converting Colors

`RYB(146, 224, 172)`

Have a look what the booklet for
RYB(146, 224, 172) contains.

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Color

R_YB(146, 224, 172)

Conversions

Conversions Part 1

Format	Color
Hex	C6E092
RGB	198, 224, 146
RGB Percent	78%, 88%, 57%
CMY	0.2235, 0.1216, 0.4275
CMYK	0.12, 0.00, 0.35, 0.12
HSL	80°, 56%, 73%
HSV	80°, 35%, 88%
XYZ	55.1327, 67.3924, 37.2964
YIQ	207.3340, 9.5420, -29.7700

Conversions

Conversions Part 2

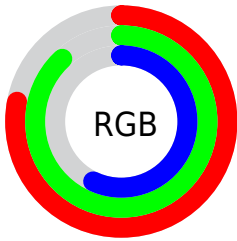
Format	Color
RYB	146, 224, 172
Decimal	13033618
CIELab	85.70, -21.38, 35.41
CIELCh	86, 41.364, 121.120
Yxy	67.3924, 0.3450, 0.4217
Android (android.graphics.Color)	4291223698 (0xFFC6E092)
YUV	207.3340, -30.2377, -8.1859
Hunter-Lab	82.0929, -23.7839, 30.5284

Details

The RYB color **146, 224, 172** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **172, 146, 224**, and the grayscale version is **208, 208, 208**.

A 20% lighter version of the original color is **201, 255, 201**, and **94, 169, 120** is the 20% darker color. If you saturate the color by 10%, you get **124, 224, 157**, and if you desaturate by 10%, it is **168, 224, 187**.

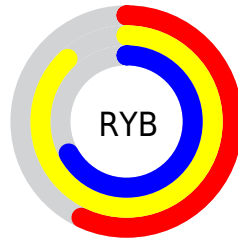
Distribution



Red (78%)

Green (88%)

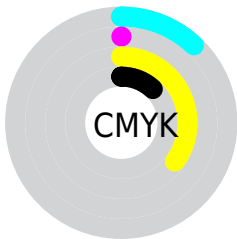
Blue (57%)



Red (57%)

Yellow (88%)

Blue (67%)

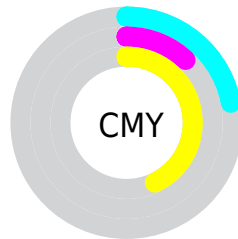


Cyan (12%)

Magenta (0%)

Yellow (35%)

Black (12%)



Cyan (22%)

Magenta (12%)

Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the RYB color 146, 224, 172 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, 224, 172 by changing the saturation by 10% instead.


 146, 224, 172


255, 255, 255


 201, 255, 201

 229, 255, 229


 146, 224, 172


 120, 196, 146

 94, 169, 120

 70, 142, 95

 46, 117, 72

 21, 92, 47

 0, 68, 26

 0, 46, 27

 0, 27, 27


 0, 0, 0


 146, 224, 172

 146, 224, 172

 124, 224, 157

 168, 224, 187

 101, 224, 142

 191, 224, 202

 79, 224, 127

 213, 224, 217

 56, 224, 112

 228, 224, 236

 34, 224, 97

 235, 224, 255

 12, 224, 83

 243, 224, 255

 0, 224, 75

 250, 224, 255

 255, 224, 255

Harmonies

Analogous

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



171, 239, 135



146, 224, 172



152, 214, 232

Triad

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



146, 224, 172



99, 170, 255



255, 184, 214

Complementary

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



146, 224, 172



172, 146, 224

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, 191, 253



146, 224, 172



162, 197, 255

Square

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



146, 224, 172



69, 156, 253



221, 204, 255



255, 190, 176

Rectangle

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



146, 224, 172



119, 187, 235



221, 204, 255



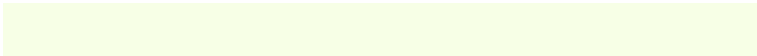
255, 185, 228

Sweetspot

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



146, 224, 172



230, 255, 238



224, 185, 146



112, 128, 118



0, 0, 0



128, 128, 128

Same Dimension

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



146, 224, 172



148, 255, 184



146, 224, 211



101, 112, 105



0, 176, 59



0, 48, 16

Inverse Universe

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



172, 146, 224



184, 148, 255



211, 146, 224



105, 101, 112



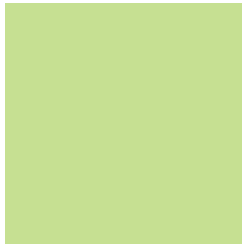
59, 0, 176



16, 0, 48

Previews

White Background



This preview shows how the RYB color 146, 224, 172 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, 224, 172 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

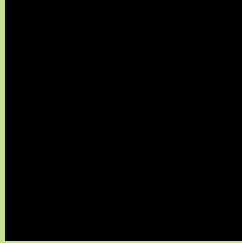
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

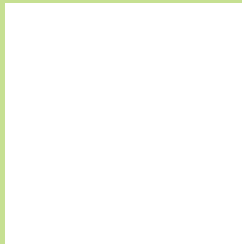
Any Text WCAG AAA ✓ Pass

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

RYB 146, 224, 172 Background



This preview shows how black text looks on a background with the RYB color 146, 224, 172.

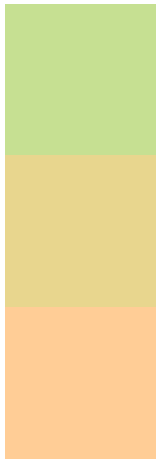


This preview shows how white text looks on a background with the RYB color 146, 224, 172.

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, 224, 172

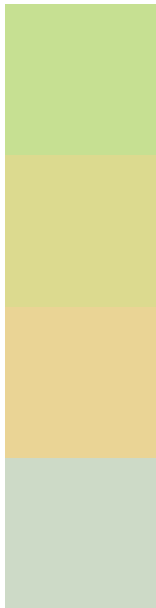
Protanopia
165, 232, 142

Deuteranopia
245, 255, 150



Tritanopia
209, 213, 230

Trichromacy



Original Color

146, 224, 172

Protanomaly

145, 220, 143

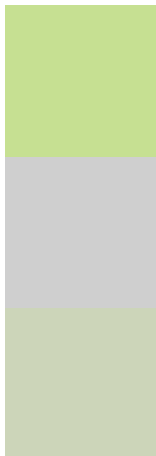
Deuteranomaly

179, 234, 149

Tritanomaly

199, 218, 212

Monochromacy



Original Color

146, 224, 172

Achromatopsia

207, 207, 207

Achromatomaly

185, 213, 194

CSS Examples

Text

The CSS property to change the color of the text to RYB 146, 224, 172 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(198, 224, 146)` looks like.

```
.text, #text, p{  
    color:rgb(198, 224, 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(198, 224, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 224, 146) }
```

Border

The CSS property to change the border of an element to RYB 146, 224, 172 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(198, 224, 146) }
```

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

```
.border{ border-color:rgb(198, 224, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 224, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 224, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 224, 146);  
box-shadow:4px 4px 4px 4px rgb(198, 224,  
146) }
```

Background

The CSS property to change the background color of an element to RYB 146, 224, 172 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 224, 146) }
```

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

```
.background{ background-color: rgb(198,  
224, 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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