

Converting Colors

`RYB(166, 205, 180)`

Have a look what the booklet for
RYB(166, 205, 180) contains.

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Color

R_YB(166, 205, 180)

Conversions

Conversions Part 1

Format	Color
Hex	BFCDA6
RGB	191, 205, 166
RGB Percent	75%, 80%, 65%
CMY	0.2510, 0.1961, 0.3490
CMYK	0.07, 0.00, 0.19, 0.20
HSL	82°, 28%, 73%
HSV	82°, 19%, 80%
XYZ	50.2001, 57.4922, 44.5277
YIQ	196.3680, 4.1750, -15.0970

Conversions

Conversions Part 2

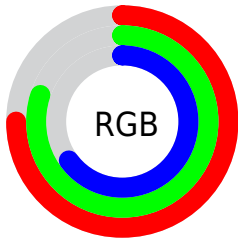
Format	Color
RYB	166, 205, 180
Decimal	12570022
CIELab	80.46, -11.59, 17.85
CIELCh	80, 21.284, 122.999
Yxy	57.4922, 0.3298, 0.3777
Android (android.graphics.Color)	4290760102 (0xFFBFCDA6)
YUV	196.3680, -14.9714, -4.7077
Hunter-Lab	75.8236, -14.5128, 18.2583

Details

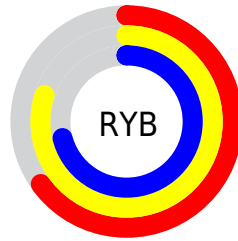
The RYB color **166, 205, 180** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **180, 166, 205**, and the grayscale version is **197, 197, 197**.

A 20% lighter version of the original color is **221, 255, 228**, and **114, 151, 128** is the 20% darker color. If you saturate the color by 10%, you get **146, 205, 167**, and if you desaturate by 10%, it is **187, 205, 194**.

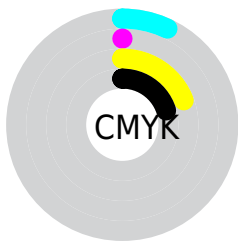
Distribution



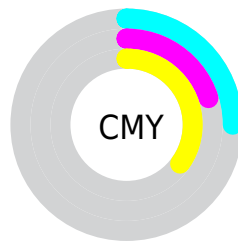
- Red (75%)
- Green (80%)
- Blue (65%)



- Red (65%)
- Yellow (80%)
- Blue (71%)



- Cyan (7%)
- Magenta (0%)
- Yellow (19%)
- Black (20%)



- Cyan (25%)
- Magenta (20%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the RYB color 166, 205, 180 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 166, 205, 180 by changing the saturation by 10% instead.


 166, 205, 180

255, 255, 255


 221, 255, 228

 250, 255, 250


 166, 205, 180

 140, 178, 154

 114, 151, 128

 89, 125, 102

 66, 100, 79

 43, 76, 56

 22, 53, 34

 0, 32, 10

 0, 3, 3

 0, 0, 0

 166, 205, 180

 166, 205, 180

 146, 205, 167

 187, 205, 194

 125, 205, 154

 206, 205, 207

 105, 205, 141

 213, 205, 228

 84, 205, 127

 220, 205, 248

 63, 205, 114

 228, 205, 255

 43, 205, 101

 235, 205, 255

 22, 205, 88

 243, 205, 255

 2, 205, 75

 250, 205, 255

 0, 205, 74

 255, 205, 255

Harmonies

Analogous

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



179, 213, 160



166, 205, 180



169, 200, 209

Triad

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



166, 205, 180



157, 187, 234



239, 186, 198

Complementary

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



166, 205, 180



180, 166, 205

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.



227, 188, 218



166, 205, 180



179, 195, 239

Square

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



166, 205, 180



146, 180, 220



206, 194, 233



240, 188, 179

Rectangle

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



166, 205, 180



156, 189, 211



206, 194, 233



237, 186, 205

Sweetspot

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



166, 205, 180



240, 255, 245



205, 188, 166



119, 128, 123



0, 0, 0



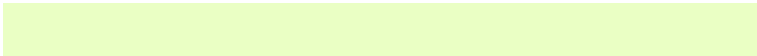
128, 128, 128

Same Dimension

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



166, 205, 180



196, 255, 217



166, 205, 199



92, 102, 96



0, 166, 60



0, 38, 13

Inverse Universe

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



180, 166, 205



217, 196, 255



199, 166, 205



95, 92, 102



59, 0, 166



14, 0, 38

Previews

White Background



This preview shows how the RYB color 166, 205, 180 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 166, 205, 180 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

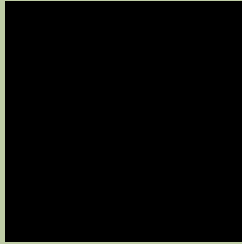
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

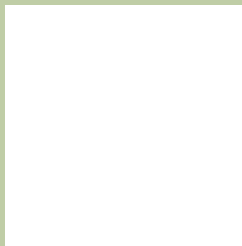
Any Text WCAG AAA ✓ Pass

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

RYB 166, 205, 180 Background



This preview shows how black text looks on a background with the RYB color 166, 205, 180.



This preview shows how white text looks on a background with the RYB color 166, 205, 180.

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](#).

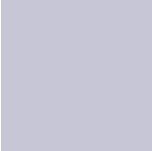
Dichromacy



Original Color
166, 205, 180

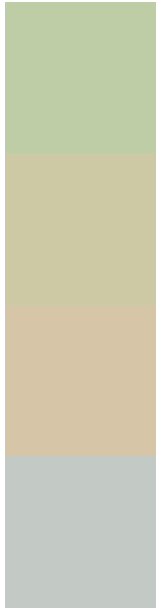
Protanopia
179, 211, 163

Deuteranopia
229, 206, 169



Tritanopia
198, 198, 214

Trichromacy



Original Color
166, 205, 180

Protanomaly
167, 204, 164

Deuteranomaly
197, 215, 168

Tritanomaly
195, 200, 201

Monochromacy



Original Color
166, 205, 180

Achromatopsia
196, 196, 196

Achromatomaly
185, 199, 190

CSS Examples

Text

The CSS property to change the color of the text to RYB 166, 205, 180 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(191, 205, 166)` looks like.

```
.text, #text, p{  
    color:rgb(191, 205, 166)  
}
```

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(191, 205, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 205, 166) }
```

Border

The CSS property to change the border of an element to RYB 166, 205, 180 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(191, 205, 166) }
```

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

```
.border{ border-color:rgb(191, 205, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 205, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 205, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 205, 166);  
box-shadow:4px 4px 4px 4px rgb(191, 205,  
166) }
```

Background

The CSS property to change the background color of an element to RYB 166, 205, 180 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 205, 166) }
```

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

```
.background{ background-color: rgb(191,  
205, 166) }
```

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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