

Converting Colors

`RYB(163, 219, 138)`

Have a look what the booklet for
RYB(163, 219, 138) contains.

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Color

R_YB(163, 219, 138)

Conversions

Conversions Part 1

Format	Color
Hex	DBC88A
RGB	219, 200, 138
RGB Percent	86%, 78%, 54%
CMY	0.1412, 0.2161, 0.4588
CMYK	0.00, 0.09, 0.37, 0.14
HSL	46°, 53%, 70%
HSV	46°, 37%, 86%
XYZ	54.4311, 58.1555, 32.4011
YIQ	198.6130, 31.2260, -15.2540

Conversions

Conversions Part 2

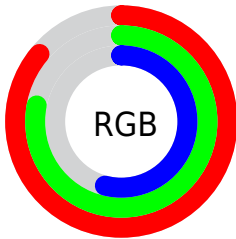
Format	Color
R _Y B	163, 219, 138
Decimal	14403722
CIE Lab	80.83, -2.14, 33.41
CIE LCh	81, 33.483, 93.656
Yxy	58.1555, 0.3754, 0.4011
Android (android.graphics.Color)	4292593802 (0xFFDBC88A)
YUV	198.6130, -29.8822, 17.8794
Hunter-Lab	76.2598, -6.0486, 28.1909

Details

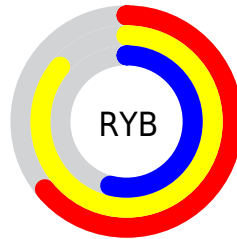
The RYB color **163, 219, 138** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **138, 153, 219**, and the grayscale version is **199, 199, 199**.

A 20% lighter version of the original color is **192, 255, 192**, and **109, 163, 87** is the 20% darker color. If you saturate the color by 10%, you get **147, 219, 116**, and if you desaturate by 10%, it is **178, 219, 160**.

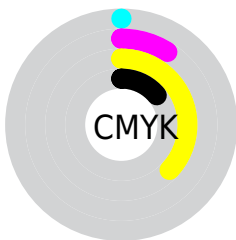
Distribution



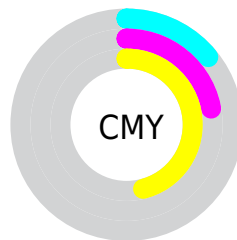
- Red (86%)
- Green (78%)
- Blue (54%)



- Red (64%)
- Yellow (86%)
- Blue (54%)



- Cyan (0%)
- Magenta (9%)
- Yellow (37%)
- Black (14%)



- Cyan (14%)
- Magenta (22%)
- Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the RYB color 163, 219, 138 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 163, 219, 138 by changing the saturation by 10% instead.

 163, 219, 138

255, 255, 255

 192, 255, 192


 220, 255, 220

 249, 255, 249


 163, 219, 138

 135, 191, 112

 109, 163, 87

 82, 136, 63

 56, 109, 40

 31, 84, 16

 12, 60, 0

 7, 35, 0

 0, 5, 5

 0, 0, 0

 163, 219, 138

 163, 219, 138

 147, 219, 116


 178, 219, 160

 132, 219, 94

 194, 219, 182

 118, 219, 72

 209, 219, 204

 102, 219, 50

 219, 221, 226

 87, 219, 28

 219, 225, 248

 72, 219, 7

 219, 228, 255

 68, 219, 0

 219, 231, 255

 219, 233, 255

 219, 234, 255

Harmonies

Analogous

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



246, 223, 145



163, 219, 138



148, 209, 172

Triad

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



163, 219, 138



100, 162, 234



244, 182, 229

Complementary

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



163, 219, 138



138, 153, 219

Split Complementary

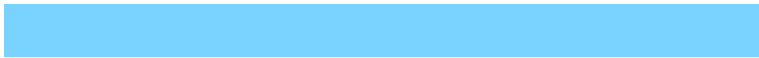
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



210, 191, 253



163, 219, 138



122, 175, 255

Square

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



163, 219, 138



115, 170, 218



166, 192, 255



255, 177, 198

Rectangle

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



163, 219, 138



161, 212, 214



166, 192, 255



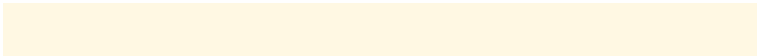
234, 184, 238

Sweetspot

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



163, 219, 138



236, 255, 227



219, 138, 158



116, 128, 111



0, 0, 0



128, 128, 128

Same Dimension

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



163, 219, 138



177, 255, 143



138, 219, 158



103, 110, 99



52, 173, 0



14, 46, 0

Inverse Universe

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



138, 153, 219



143, 164, 255



158, 138, 219



99, 101, 110



0, 33, 173



0, 9, 46

Previews

White Background



This preview shows how the RYB color 163, 219, 138 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 163, 219, 138 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

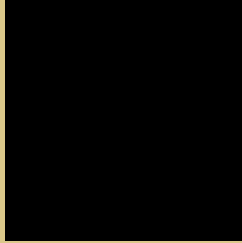
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

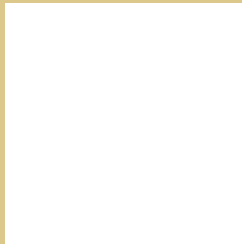
Any Text WCAG AAA ✓ Pass

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

RYB 163, 219, 138 Background



This preview shows how black text looks on a background with the RYB color 163, 219, 138.



This preview shows how white text looks on a background with the RYB color 163, 219, 138.

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
163, 219, 138

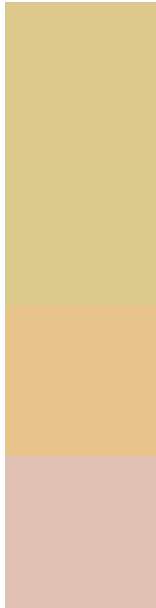
Protanopia
158, 217, 138

Deuteranopia
229, 239, 140



Tritanopia
227, 191, 206

Trichromacy



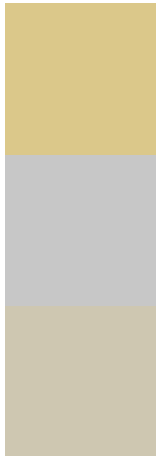
Original Color
163, 219, 138

Protanomaly
160, 218, 138

Deuteranomaly
200, 232, 139

Tritanomaly
224, 200, 181

Monochromacy



Original Color
163, 219, 138

Achromatopsia
199, 199, 199

Achromatomaly
186, 206, 177

CSS Examples

Text

The CSS property to change the color of the text to RYB 163, 219, 138 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(219, 200, 138)` looks like.

```
.text, #text, p{  
    color:rgb(219, 200, 138)  
}
```

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(219, 200, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 200, 138) }
```

Border

The CSS property to change the border of an element to RYB 163, 219, 138 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(219, 200, 138) }
```

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

```
.border{ border-color:rgb(219, 200, 138) }
```

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

Here you see how a box with a 4 pixel rgb(219, 200, 138) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 200, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 200, 138);  
box-shadow:4px 4px 4px 4px rgb(219, 200,  
138) }
```

Background

The CSS property to change the background color of an element to RGB 163, 219, 138 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 219, 138) }
```

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

```
.background{ background-color: rgb(163,  
219, 138) }
```

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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