

Converting Colors

`RYB(162, 219, 103)`

Have a look what the booklet for
RYB(162, 219, 103) contains.

RYB(162, 219, 103)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

$\text{RYB}(162, 219, 103)$

Conversions

Conversions Part 1

Format	Color
Hex	DBB467
RGB	219, 180, 103
RGB Percent	86%, 71%, 40%
CMY	0.1412, 0.2945, 0.5961
CMYK	0.00, 0.18, 0.53, 0.14
HSL	40°, 62%, 63%
HSV	40°, 53%, 86%
XYZ	47.9609, 48.6380, 19.6922
YIQ	182.8830, 47.9610, -15.6790

Conversions

Conversions Part 2

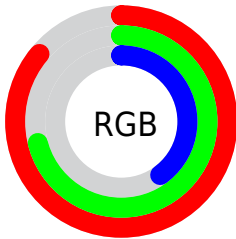
Format	Color
RYB	162, 219, 103
Decimal	14398567
CIELab	75.23, 4.85, 44.18
CIELCh	75, 44.448, 83.735
Yxy	48.6380, 0.4124, 0.4182
Android (android.graphics.Color)	4292588647 (0xFFDDBB467)
YUV	182.8830, -39.3823, 31.6746
Hunter-Lab	69.7410, 0.7079, 32.0774

Details

The RYB color **162, 219, 103** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **103, 132, 219**, and the grayscale version is **183, 183, 183**.

A 20% lighter version of the original color is **180, 255, 156**, and **103, 161, 53** is the 20% darker color. If you saturate the color by 10%, you get **150, 219, 81**, and if you desaturate by 10%, it is **174, 219, 125**.

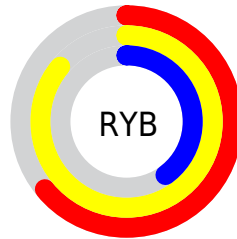
Distribution



Red (86%)

Green (71%)

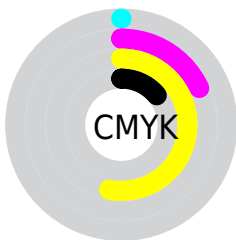
Blue (40%)



Red (64%)

Yellow (86%)

Blue (40%)

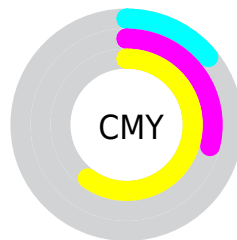


Cyan (0%)

Magenta (18%)

Yellow (53%)

Black (14%)



Cyan (14%)

Magenta (29%)

Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the RYB color 162, 219, 103 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 162, 219, 103 by changing the saturation by 10% instead.

 162, 219, 103

255, 255, 255

 180, 255, 156

 183, 255, 183

 211, 255, 211

 240, 255, 240

 162, 219, 103

 133, 190, 78

 103, 161, 53

 74, 134, 28

 36, 106, 0

 34, 80, 0

 29, 54, 0

 30, 26, 0

 0, 0, 0

 162, 219, 103

 162, 219, 103

150, 219, 81

174, 219, 125

141, 219, 59

183, 219, 147

129, 219, 37

195, 219, 169

119, 219, 15

207, 219, 191

112, 219, 0

215, 219, 212

219, 223, 234

219, 229, 255

219, 232, 255

219, 234, 255

Harmonies

Analogous

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



249, 188, 121



162, 219, 103



108, 193, 123

Triad

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



162, 219, 103



0, 106, 217



228, 163, 234

Complementary

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



162, 219, 103



103, 132, 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.



177, 178, 255



162, 219, 103



0, 112, 250

Square

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



162, 219, 103



69, 146, 206



105, 160, 255



255, 153, 196

Rectangle

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



162, 219, 103



124, 199, 176



105, 160, 255



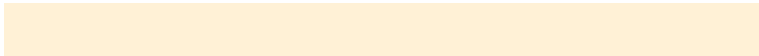
213, 168, 245

Sweetspot

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



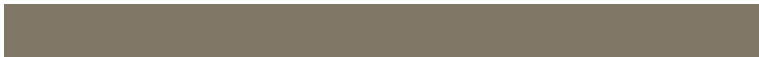
162, 219, 103



235, 255, 214



219, 103, 144



117, 128, 103



0, 0, 0



128, 128, 128

Same Dimension

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



162, 219, 103



175, 255, 92



103, 219, 120



105, 110, 99



87, 173, 0



25, 46, 0

Inverse Universe

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



103, 132, 219



92, 133, 255



120, 103, 219



99, 101, 110



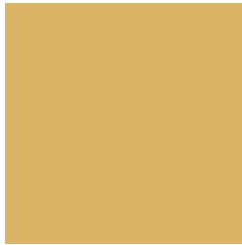
0, 43, 173



0, 11, 46

Previews

White Background



This preview shows how the RYB color 162, 219, 103 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 162, 219, 103 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 162, 219, 103 Background



This preview shows how black text looks on a background with the RYB color 162, 219, 103.



This preview shows how white text looks on a background with the RYB color 162, 219, 103.

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
162, 219, 103

Protanopia
127, 204, 105

Deuteranopia
186, 226, 104



Tritanopia
226, 170, 184

Trichromacy



Original Color
162, 219, 103

Protanomaly
137, 209, 104

Deuteranomaly
176, 223, 104

Tritanomaly
223, 181, 155

Monochromacy



Original Color
162, 219, 103

Achromatopsia
183, 183, 183

Achromatomaly
175, 196, 154

CSS Examples

Text

The CSS property to change the color of the text to RYB 162, 219, 103 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, 180, 103)` looks like.

```
.text, #text, p{  
    color:rgb(219, 180, 103)  
}
```

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, 180, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 180, 103) }
```

Border

The CSS property to change the border of an element to RYB 162, 219, 103 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, 180, 103) }
```

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

```
.border{ border-color:rgb(219, 180, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 180, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 180, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 180, 103);  
box-shadow:4px 4px 4px 4px rgb(219, 180,  
103) }
```

Background

The CSS property to change the background color of an element to RYB 162, 219, 103 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 180, 103) }
```

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

```
.background{ background-color: rgb(219,  
180, 103) }
```

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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