

Converting Colors

`RYB(100, 182, 111)`

Have a look what the booklet for
RYB(100, 182, 111) contains.

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Color

$\text{RYB}(100, 182, 111)$

Conversions

Conversions Part 1

Format	Color
Hex	ABB664
RGB	171, 182, 100
RGB Percent	67%, 71%, 39%
CMY	0.3294, 0.2863, 0.6078
CMYK	0.06, 0.00, 0.45, 0.29
HSL	68°, 36%, 55%
HSV	68°, 45%, 71%
XYZ	35.8228, 43.0339, 18.4749
YIQ	169.3630, 19.7660, -27.8340

Conversions

Conversions Part 2

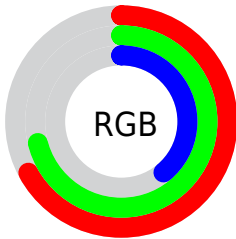
Format	Color
RYB	100, 182, 111
Decimal	11253348
CIELab	71.58, -16.32, 40.27
CIElCh	72, 43.456, 112.062
Yxy	43.0339, 0.3680, 0.4421
Android (android.graphics.Color)	4289443428 (0xFFABB664)
YUV	169.3630, -34.1960, 1.4356
Hunter-Lab	65.6002, -17.3257, 29.2224

Details

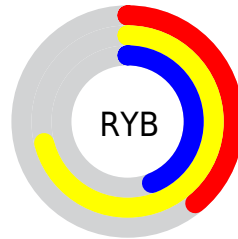
The RYB color **100, 182, 111** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **111, 100, 182**, and the grayscale version is **170, 170, 170**.

A 20% lighter version of the original color is **152, 238, 162**, and **50, 129, 62** is the 20% darker color. If you saturate the color by 10%, you get **82, 182, 95**, and if you desaturate by 10%, it is **118, 182, 127**.

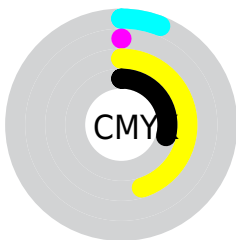
Distribution



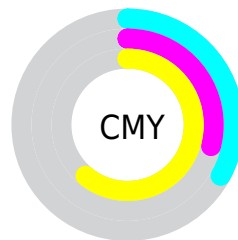
- Red (67%)
- Green (71%)
- Blue (39%)



- Red (39%)
- Yellow (71%)
- Blue (44%)



- Cyan (6%)
- Magenta (0%)
- Yellow (45%)
- Black (29%)




- Cyan (33%)
- Magenta (29%)
- Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the RYB color 100, 182, 111 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 100, 182, 111 by changing the saturation by 10% instead.

 100, 182, 111


255, 255, 255

 152, 238, 162


 180, 255, 180

 208, 255, 208

 236, 255, 236

 100, 182, 111

 75, 155, 86

 50, 129, 62

 25, 104, 38


 0, 80, 14


 0, 57, 14

 0, 36, 18

 0, 11, 11

 0, 0, 0

 100, 182, 111

 100, 182, 111

■ 82, 182, 95

■ 118, 182, 127

■ 64, 182, 80

■ 136, 182, 142

■ 45, 182, 63

■ 155, 182, 159

■ 27, 182, 48

■ 173, 182, 174

■ 9, 182, 32

■ 183, 182, 191

■ 0, 182, 24

■ 186, 182, 209

■ 188, 182, 227

■ 191, 182, 246

■ 193, 182, 255

Harmonies

Analogous

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



160, 210, 96



100, 182, 111



125, 191, 191

Triad

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



100, 182, 111



0, 106, 237



244, 145, 188

Complementary

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



100, 182, 111



111, 100, 182

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.



215, 154, 225



100, 182, 111



92, 150, 253

Square

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



100, 182, 111



0, 100, 204



163, 169, 249



252, 145, 148

Rectangle

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



100, 182, 111



88, 155, 194



163, 169, 249



237, 147, 201

Sweetspot

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



100, 182, 111



204, 237, 208



182, 113, 100



99, 120, 102



247, 247, 247



120, 120, 120

Same Dimension

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



100, 182, 111



109, 237, 126



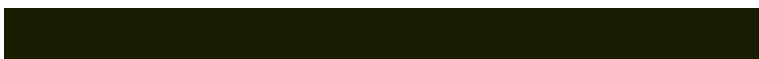
100, 182, 152



83, 92, 84



0, 156, 21



0, 28, 4

Inverse Universe

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



111, 100, 182



126, 109, 237



152, 100, 182



84, 83, 92



21, 0, 156



4, 0, 28

Previews

White Background



This preview shows how the RYB color 100, 182, 111 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 100, 182, 111 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

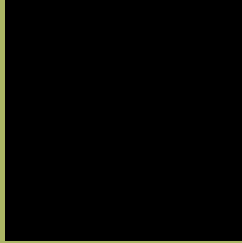
Any Text WCAG AA ✓ Pass

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 100, 182, 111 Background



This preview shows how black text looks on a background with the RYB color 100, 182, 111.



This preview shows how white text looks on a background with the RYB color 100, 182, 111.

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
100, 182, 111

Protanopia
119, 192, 98

Deuteranopia
184, 213, 104



Tritanopia
181, 172, 186

Trichromacy



Original Color
100, 182, 111

Protanomaly
105, 184, 99

Deuteranomaly
139, 198, 103

Tritanomaly
156, 177, 155

Monochromacy



Original Color
100, 182, 111

Achromatopsia
169, 169, 169

Achromatomaly
144, 174, 148

CSS Examples

Text

The CSS property to change the color of the text to RYB 100, 182, 111 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(171, 182, 100)` looks like.

```
.text, #text, p{  
    color:rgb(171, 182, 100)  
}
```

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(171, 182, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 182, 100) }
```

Border

The CSS property to change the border of an element to RYB 100, 182, 111 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(171, 182, 100) }
```

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

```
.border{ border-color:rgb(171, 182, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 182, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 182, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 182, 100);  
box-shadow:4px 4px 4px 4px rgb(171, 182,  
100) }
```

Background

The CSS property to change the background color of an element to RYB 100, 182, 111 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 182, 100) }
```

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

```
.background{ background-color: rgb(171,  
182, 100) }
```

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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