

Converting Colors

`RYB(100, 206, 142)`

Have a look what the booklet for
RYB(100, 206, 142) contains.

RYB(100, 206, 142)	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

R_YB(100, 206, 142)

Conversions

Conversions Part 1

Format	Color
Hex	A4CE64
RGB	164, 206, 100
RGB Percent	64%, 81%, 39%
CMY	0.3569, 0.1922, 0.6078
CMYK	0.20, 0.00, 0.51, 0.19
HSL	84°, 52%, 60%
HSV	84°, 51%, 81%
XYZ	39.6814, 52.9552, 20.1865
YIQ	181.3580, 8.9940, -41.8700

Conversions

Conversions Part 2

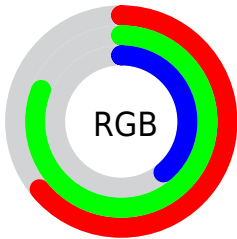
Format	Color
RYB	100, 206, 142
Decimal	10800740
CIELab	77.85, -30.82, 47.77
CIELCh	78, 56.848, 122.834
Yxy	52.9552, 0.3517, 0.4694
Android (android.graphics.Color)	4288990820 (0xFFA4CE64)
YUV	181.3580, -40.1095, -15.2230
Hunter-Lab	72.7703, -30.0127, 34.4922

Details

The RYB color **100, 206, 142** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **142, 100, 206**, and the grayscale version is **182, 182, 182**.

A 20% lighter version of the original color is **153, 255, 187**, and **48, 152, 90** is the 20% darker color. If you saturate the color by 10%, you get **79, 206, 129**, and if you desaturate by 10%, it is **121, 206, 155**.

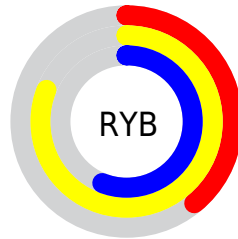
Distribution



Red (64%)

Green (81%)

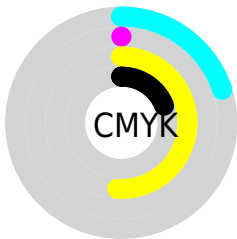
Blue (39%)



Red (39%)

Yellow (81%)

Blue (56%)

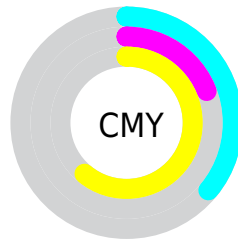


Cyan (20%)

Magenta (0%)

Yellow (51%)

Black (19%)



Cyan (36%)

Magenta (19%)

Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the RYB color 100, 206, 142 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, 206, 142 by changing the saturation by 10% instead.

 100, 206, 142

255, 255, 255


 153, 255, 187

 181, 255, 186


 209, 255, 209


 238, 255, 238

 100, 206, 142

 74, 178, 115

 48, 152, 90

 20, 125, 62

 0, 100, 43

 0, 76, 44

 0, 53, 53

 0, 33, 33

 0, 0, 0

 100, 206, 142

 100, 206, 142

■ 79, 206, 129

■ 121, 206, 155

■ 59, 206, 117

■ 141, 206, 167

■ 38, 206, 104

■ 162, 206, 180

■ 18, 206, 93

■ 182, 206, 191

■ 0, 206, 82

■ 203, 206, 204

■ 213, 206, 224

■ 221, 206, 244

■ 229, 206, 255

■ 237, 206, 255

Harmonies

Analogous

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



117, 218, 83



100, 206, 142



93, 180, 215

Triad

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



100, 206, 142



0, 115, 255



255, 147, 189

Complementary

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



100, 206, 142



142, 100, 206

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, 157, 242



100, 206, 142



105, 162, 255

Square

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



100, 206, 142



0, 116, 248



203, 177, 255



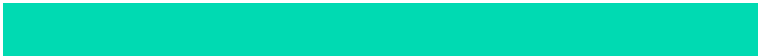
255, 157, 138

Rectangle

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



100, 206, 142



0, 120, 218



203, 177, 255



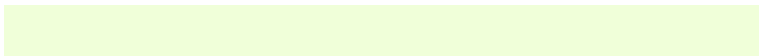
255, 149, 207

Sweetspot

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



100, 206, 142



217, 255, 232



206, 167, 100



105, 128, 115



0, 0, 0



128, 128, 128

Same Dimension

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



100, 206, 142



97, 255, 160



100, 206, 194



92, 102, 96



0, 166, 66



0, 38, 15

Inverse Universe

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



142, 100, 206



160, 97, 255



194, 100, 206



96, 92, 102



66, 0, 166



15, 0, 38

Previews

White Background



This preview shows how the RYB color 100, 206, 142 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, 206, 142 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, 206, 142 Background



This preview shows how black text looks on a background with the RYB color 100, 206, 142.



This preview shows how white text looks on a background with the RYB color 100, 206, 142.

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](#).

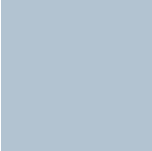
Dichromacy



Original Color
100, 206, 142

Protanopia
119, 212, 95

Deuteranopia
191, 234, 106



Tritanopia
178, 189, 209

Trichromacy



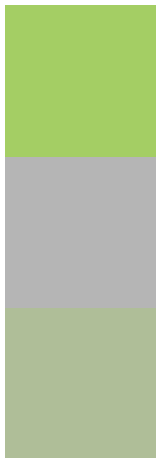
Original Color
100, 206, 142

Protanomaly
97, 197, 99

Deuteranomaly
126, 209, 104

Tritanomaly
169, 198, 194

Monochromacy



Original Color
100, 206, 142

Achromatopsia
181, 181, 181

Achromatomaly
152, 190, 167

CSS Examples

Text

The CSS property to change the color of the text to RYB 100, 206, 142 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(164, 206, 100)` looks like.

```
.text, #text, p{  
    color:rgb(164, 206, 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(164, 206, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 206, 100) }
```

Border

The CSS property to change the border of an element to RYB 100, 206, 142 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(164, 206, 100) }
```

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

```
.border{ border-color:rgb(164, 206, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 206, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 206, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 206, 100);  
box-shadow:4px 4px 4px 4px rgb(164, 206,  
100) }
```

Background

The CSS property to change the background color of an element to RYB 100, 206, 142 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 206, 100) }
```

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

```
.background{ background-color: rgb(164,  
206, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor