

Converting Colors

`RYB(83, 185, 104)`

Have a look what the booklet for
RYB(83, 185, 104) contains.

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Color

RYB(83, 185, 104)

Conversions

Conversions Part 1

Format	Color
Hex	A4B953
RGB	164, 185, 83
RGB Percent	64%, 73%, 33%
CMY	0.3569, 0.2745, 0.6745
CMYK	0.11, 0.00, 0.55, 0.27
HSL	72°, 42%, 53%
HSV	72°, 55%, 73%
XYZ	34.2201, 43.2150, 14.7213
YIQ	167.0930, 20.2260, -36.1740

Conversions

Conversions Part 2

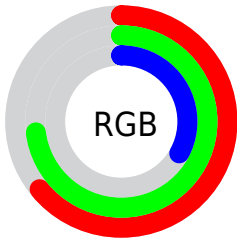
Format	Color
RYB	83, 185, 104
Decimal	10795347
CIELab	71.70, -22.32, 48.56
CIELCh	72, 53.442, 114.686
Yxy	43.2150, 0.3713, 0.4689
Android (android.graphics.Color)	4288985427 (0xFFA4B953)
YUV	167.0930, -41.4578, -2.7126
Hunter-Lab	65.7381, -22.1230, 32.7393

Details

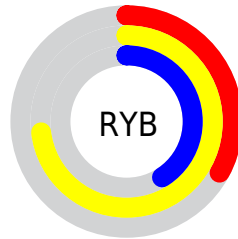
The RYB color **83, 185, 104** is a dark color, and the websafe version is hex **CCCC66**. A complement of this color would be **104, 83, 185**, and the grayscale version is **167, 167, 167**.

A 20% lighter version of the original color is **136, 241, 156**, and **30, 132, 52** is the 20% darker color. If you saturate the color by 10%, you get **65, 185, 90**, and if you desaturate by 10%, it is **102, 185, 119**.

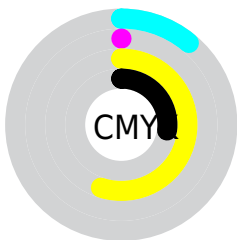
Distribution



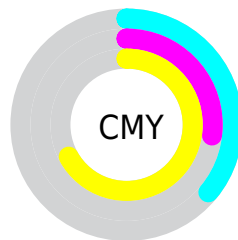
- Red (64%)
- Green (73%)
- Blue (33%)



- Red (33%)
- Yellow (73%)
- Blue (41%)



- Cyan (11%)
- Magenta (0%)
- Yellow (55%)
- Black (27%)




- Cyan (36%)
- Magenta (27%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the RYB color 83, 185, 104 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 83, 185, 104 by changing the saturation by 10% instead.

 83, 185, 104

255, 255, 255


 136, 241, 156


 163, 255, 168


 190, 255, 190

 219, 255, 219

 248, 255, 248

 83, 185, 104

 57, 158, 78

 30, 132, 52

 0, 107, 23


 0, 82, 24


 0, 59, 26

 0, 37, 33

 0, 12, 12

 0, 0, 0

 83, 185, 104

 83, 185, 104

65, 185, 90

102, 185, 119

46, 185, 75

120, 185, 133

28, 185, 60

139, 185, 149

9, 185, 45

157, 185, 163

0, 185, 38

176, 185, 178

187, 185, 194

191, 185, 213

194, 185, 231

198, 185, 250

Harmonies

Analogous

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



136, 212, 75



83, 185, 104



104, 184, 195

Triad

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



83, 185, 104



0, 110, 254



255, 135, 186

Complementary

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



83, 185, 104



104, 83, 185

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.



228, 147, 233



83, 185, 104



53, 132, 255

Square

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



83, 185, 104



0, 104, 215



165, 166, 255



255, 137, 138

Rectangle

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



83, 185, 104



37, 133, 199



165, 166, 255



253, 138, 203

Sweetspot

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



83, 185, 104



199, 240, 208



185, 108, 83



96, 120, 101



247, 247, 247



120, 120, 120

Same Dimension

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



83, 185, 104



81, 240, 114



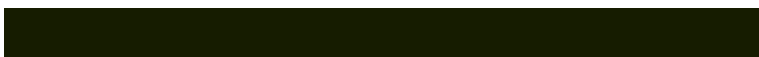
83, 185, 154



83, 92, 85



0, 156, 32



0, 28, 6

Inverse Universe

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



104, 83, 185



114, 81, 240



154, 83, 185



85, 83, 92



32, 0, 156



6, 0, 28

Previews

White Background



This preview shows how the RYB color 83, 185, 104 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 83, 185, 104 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](#).

R Y B 83, 185, 104 Background



This preview shows how black text looks on a background with the RYB color 83, 185, 104.

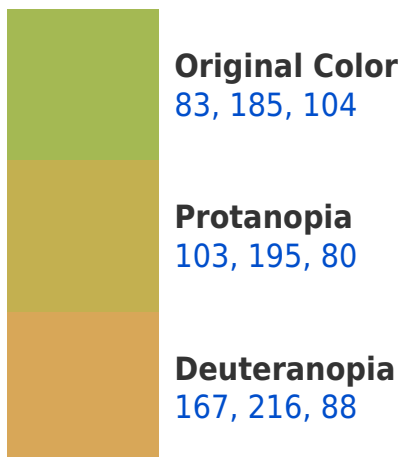


This preview shows how white text looks on a background with the RYB color 83, 185, 104.

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





Tritanopia
176, 174, 188

Trichromacy



Original Color
83, 185, 104

Protanomaly
86, 184, 81

Deuteranomaly
115, 197, 86

Tritanomaly
150, 178, 156

Monochromacy



Original Color
83, 185, 104

Achromatopsia
167, 167, 167

Achromatomaly
136, 174, 144

CSS Examples

Text

The CSS property to change the color of the text to RYB 83, 185, 104 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, 185, 83)` looks like.

```
.text, #text, p{  
    color:rgb(164, 185, 83)  
}
```

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, 185, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 185, 83) }
```

Border

The CSS property to change the border of an element to RYB 83, 185, 104 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, 185, 83) }
```

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

```
.border{ border-color:rgb(164, 185, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 185, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 185, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 185, 83);  
box-shadow:4px 4px 4px 4px rgb(164, 185,  
83) }
```

Background

The CSS property to change the background color of an element to RYB 83, 185, 104 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 185, 83) }
```

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

```
.background{ background-color: rgb(164,  
185, 83) }
```

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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