

Converting Colors

`RYB(83, 170, 204)`

Have a look what the booklet for
RYB(83, 170, 204) contains.

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Color

R_YB(83, 170, 204)

Conversions

Conversions Part 1

Format	Color
Hex	53CC82
RGB	83, 204, 130
RGB Percent	33%, 80%, 51%
CMY	0.6745, 0.2000, 0.4891
CMYK	0.59, 0.00, 0.36, 0.20
HSL	143°, 54%, 56%
HSV	143°, 59%, 80%
XYZ	29.2087, 46.6442, 28.6841
YIQ	159.3850, -48.3620, -48.6660

Conversions

Conversions Part 2

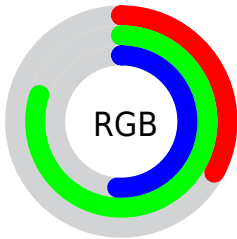
Format	Color
RYB	83, 170, 204
Decimal	5491842
CIELab	73.96, -50.35, 26.90
CIELCh	74, 57.086, 151.891
Yxy	46.6442, 0.2794, 0.4462
Android (android.graphics.Color)	4283681922 (0xFF53CC82)
YUV	159.3850, -14.4868, -66.9896
Hunter-Lab	68.2965, -43.1789, 22.9061

Details

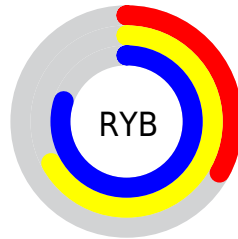
The RYB color **83, 170, 204** is a dark color, and the websafe version is hex **33CC99**. The color can be described as middle muted spring green. A complement of this color would be **204, 83, 157**, and the grayscale version is **160, 160, 160**.

A 20% lighter version of the original color is **142, 225, 255**, and **0, 97, 149** is the 20% darker color. If you saturate the color by 10%, you get **63, 164, 204**, and if you desaturate by 10%, it is **103, 175, 204**.

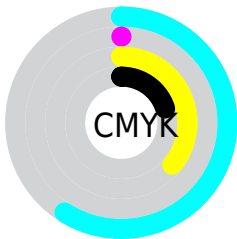
Distribution



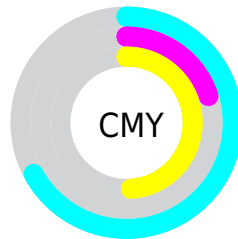
- Red (33%)
- Green (80%)
- Blue (51%)



- Red (33%)
- Yellow (67%)
- Blue (80%)



- Cyan (59%)
- Magenta (0%)
- Yellow (36%)
- Black (20%)





- Cyan (67%)
- Magenta (20%)
- Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the RYB color 83, 170, 204 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, 170, 204 by changing the saturation by 10% instead.

 83, 170, 204

 83, 170, 204

255, 255, 255

 50, 138, 176

 142, 224, 255

 0, 97, 149

 171, 227, 255

 0, 84, 122

 201, 232, 255

 0, 71, 96


 231, 243, 255


 0, 62, 71


 0, 48, 48

 0, 22, 22


 0, 0, 0

 83, 170, 204


 83, 170, 204

 63, 164, 204

 103, 175, 204

 42, 159, 204

 124, 182, 204

 22, 153, 204

 144, 187, 204

 1, 147, 204

 165, 193, 204

 0, 147, 204

 185, 199, 204

 205, 204, 205

 226, 204, 217

 246, 204, 230

 255, 204, 242

Harmonies

Analogous

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



88, 195, 128



83, 170, 204



0, 110, 208

Triad

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



83, 170, 204



86, 149, 255



255, 145, 129

Complementary

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



83, 170, 204



204, 83, 157

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, 136, 181



83, 170, 204



189, 167, 255

Square

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



83, 170, 204



0, 112, 255



249, 146, 232



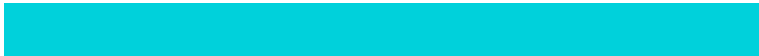
251, 219, 89

Rectangle

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



83, 170, 204



0, 107, 219



249, 146, 232



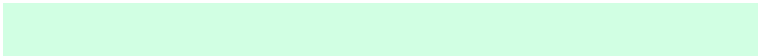
255, 139, 146

Sweetspot

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



83, 170, 204



209, 242, 255



83, 204, 129



99, 120, 128



0, 0, 0



128, 128, 128

Same Dimension

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



83, 170, 204



74, 204, 255



83, 147, 204



92, 99, 102



0, 119, 166



0, 27, 38

Inverse Universe

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



204, 83, 157



255, 74, 184



204, 83, 97



102, 92, 98



166, 0, 101



38, 0, 23

Previews

White Background



This preview shows how the RYB color 83, 170, 204 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, 170, 204 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, 170, 204 Background



This preview shows how black text looks on a background with the R Y B color 83, 170, 204.

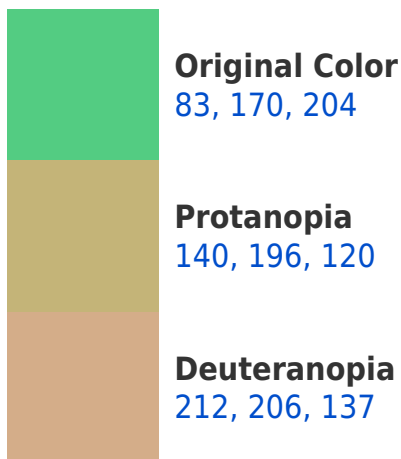


This preview shows how white text looks on a background with the R Y B color 83, 170, 204.

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
107, 154, 210

Trichromacy



Original Color

83, 170, 204



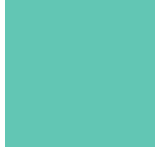
Protanomaly

124, 189, 158



Deuteranomaly

135, 184, 154



Tritanomaly

98, 153, 198

Monochromacy



Original Color

83, 170, 204



Achromatopsia

159, 159, 159



Achromatomaly

131, 162, 175

CSS Examples

Text

The CSS property to change the color of the text to RYB 83, 170, 204 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(83, 204, 130)` looks like.

```
.text, #text, p{  
    color:rgb(83, 204, 130)  
}
```

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(83, 204, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 204, 130) }
```

Border

The CSS property to change the border of an element to RYB 83, 170, 204 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(83, 204, 130) }
```

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

```
.border{ border-color:rgb(83, 204, 130) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 204, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 204, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 204, 130);  
box-shadow:4px 4px 4px 4px rgb(83, 204,  
130) }
```

Background

The CSS property to change the background color of an element to RGB 83, 170, 204 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 204, 130) }
```

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

```
.background{ background-color: rgb(83, 204,  
130) }
```

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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