

Converting Colors

R_YB(91, 188, 83)

Have a look what the booklet for
RYB(91, 188, 83) contains.

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Color

RYB(91, 188, 83)

Conversions

Conversions Part 1

Format	Color
Hex	BCB553
RGB	188, 181, 83
RGB Percent	74%, 71%, 33%
CMY	0.2627, 0.2919, 0.6745
CMYK	0.00, 0.04, 0.56, 0.26
HSL	56°, 44%, 53%
HSV	56°, 56%, 74%
XYZ	38.7362, 44.1876, 14.6711
YIQ	171.9210, 35.6300, -28.9940

Conversions

Conversions Part 2

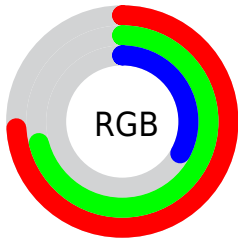
Format	Color
RYB	91, 188, 83
Decimal	12367187
CIELab	72.35, -10.13, 49.80
CIELCh	72, 50.821, 101.496
Yxy	44.1876, 0.3969, 0.4528
Android (android.graphics.Color)	4290557267 (0xFFBCB553)
YUV	171.9210, -43.8381, 14.1013
Hunter-Lab	66.4737, -12.3118, 33.4460

Details

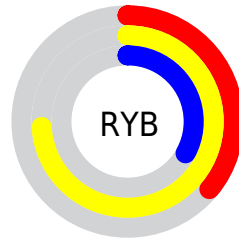
The RYB color **91, 188, 83** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **83, 90, 188**, and the grayscale version is **172, 172, 172**.

A 20% lighter version of the original color is **146, 246, 136**, and **34, 132, 30** is the 20% darker color. If you saturate the color by 10%, you get **74, 188, 64**, and if you desaturate by 10%, it is **108, 188, 102**.

Distribution



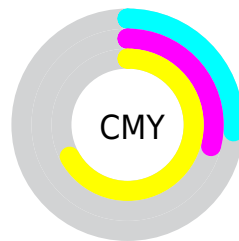
- Red (74%)
- Green (71%)
- Blue (33%)



- Red (36%)
- Yellow (74%)
- Blue (33%)



- Cyan (0%)
- Magenta (4%)
- Yellow (56%)
- Black (26%)



- Cyan (26%)
- Magenta (29%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the RYB color 91, 188, 83 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 91, 188, 83 by changing the saturation by 10% instead.



91, 188, 83



91, 188, 83

255, 255, 255



63, 160, 57



146, 246, 135



35, 132, 31



163, 255, 163



2, 105, 0



190, 255, 190



0, 79, 0



219, 255, 219



0, 57, 3



248, 255, 248



0, 35, 6



0, 15, 15



0, 0, 0



91, 188, 83



91, 188, 83

74, 188, 64

108, 188, 102

56, 188, 45

126, 188, 121

39, 188, 27

142, 188, 139

22, 188, 8

160, 188, 158

14, 188, 0

178, 188, 177

188, 189, 196

188, 190, 215

188, 191, 233

188, 193, 252

Harmonies

Analogous

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



207, 229, 89



91, 188, 83



105, 192, 160

Triad

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



91, 188, 83



0, 108, 238



248, 143, 208

Complementary

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



91, 188, 83



83, 90, 188

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.



205, 158, 247



91, 188, 83



0, 109, 255

Square

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



91, 188, 83



0, 102, 201



133, 165, 255



255, 139, 161

Rectangle

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



91, 188, 83



95, 170, 197



133, 165, 255



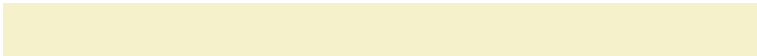
237, 147, 223

Sweetspot

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



91, 188, 83



206, 245, 203



188, 83, 92



99, 122, 98



250, 250, 250



122, 122, 122

Same Dimension

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



91, 188, 83



94, 245, 81



83, 188, 127



85, 94, 85



12, 158, 0



3, 31, 0

Inverse Universe

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



83, 90, 188



81, 91, 245



127, 83, 188



85, 86, 94



0, 10, 158



0, 2, 31

Previews

White Background



This preview shows how the RYB color 91, 188, 83 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 91, 188, 83 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

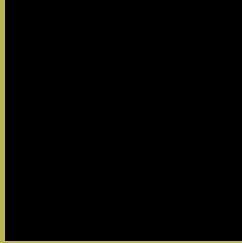
Any Text WCAG AA ✓ Pass

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 91, 188, 83 Background



This preview shows how black text looks on a background with the R Y B color 91, 188, 83.



This preview shows how white text looks on a background with the R Y B color 91, 188, 83.

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


91, 188, 83

Protanopia

105, 197, 82

Deuteranopia

166, 219, 86



Tritanopia
198, 170, 183

Trichromacy



Original Color
91, 188, 83

Protanomaly
99, 194, 82

Deuteranomaly
134, 208, 85

Tritanomaly
182, 194, 147

Monochromacy



Original Color
91, 188, 83

Achromatopsia
172, 172, 172

Achromatomaly
143, 178, 140

CSS Examples

Text

The CSS property to change the color of the text to RYB 91, 188, 83 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(188, 181, 83)` looks like.

```
.text, #text, p{  
    color:rgb(188, 181, 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(188, 181, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 181, 83) }
```

Border

The CSS property to change the border of an element to RYB 91, 188, 83 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(188, 181, 83) }
```

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

```
.border{ border-color:rgb(188, 181, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 181, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 181, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 181, 83);  
box-shadow:4px 4px 4px 4px rgb(188, 181,  
83) }
```

Background

The CSS property to change the background color of an element to RYB 91, 188, 83 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 181, 83) }
```

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

```
.background{ background-color: rgb(188,  
181, 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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