

Converting Colors

`RYB(130, 191, 33)`

Have a look what the booklet for
RYB(130, 191, 33) contains.

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Color

R_YB(130, 191, 33)

Conversions

Conversions Part 1

Format	Color
Hex	BF8321
RGB	191, 131, 33
RGB Percent	75%, 51%, 13%
CMY	0.2510, 0.4867, 0.8706
CMYK	0.00, 0.31, 0.83, 0.25
HSL	37°, 71%, 44%
HSV	37°, 83%, 75%
XYZ	29.8630, 27.3914, 5.1520
YIQ	137.7680, 67.2180, -17.7580

Conversions

Conversions Part 2

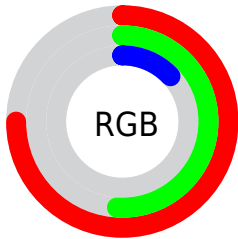
Format	Color
R_{YB}	130, 191, 33
Decimal	12550945
CIE _{Lab}	59.33, 15.19, 57.55
CIE _{LCh}	59, 59.522, 75.210
Y _{xy}	27.3914, 0.4785, 0.4389
Android (android.graphics.Color)	4290741025 (0xFFBF8321)
YUV	137.7680, -51.6506, 46.6845
Hunter-Lab	52.3368, 10.2614, 30.7993

Details

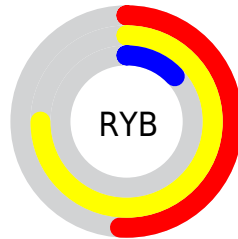
The RYB color **130, 191, 33** is a dark color, and the websafe version is hex **CC9933**. A complement of this color would be **33, 76, 191**, and the grayscale version is **138, 138, 138**.

A 20% lighter version of the original color is **203, 252, 87**, and **80, 132, 0** is the 20% darker color. If you saturate the color by 10%, you get **122, 191, 14**, and if you desaturate by 10%, it is **138, 191, 52**.

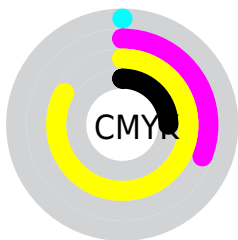
Distribution



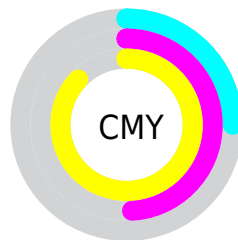
- Red (75%)
- Green (51%)
- Blue (13%)



- Red (51%)
- Yellow (75%)
- Blue (13%)



- Cyan (0%)
- Magenta (31%)
- Yellow (83%)
- Black (25%)



- Cyan (25%)
- Magenta (49%)
- Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the RYB color 130, 191, 33 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 130, 191, 33 by changing the saturation by 10% instead.

■ 130, 191, 33

■ 130, 191, 33

255, 255, 255

■ 84, 161, 0

■ 203, 252, 87

■ 80, 132, 0

■ 177, 255, 113

■ 79, 104, 0

■ 157, 255, 140

■ 76, 72, 0

■ 167, 255, 167

■ 50, 24, 0

■ 195, 255, 195

■ 25, 0, 1

■ 224, 255, 224

■ 0, 0, 0

253, 255, 253

■ 130, 191, 33

■ 130, 191, 33

■ 122, 191, 14

■ 138, 191, 52

■ 118, 191, 0

■ 146, 191, 71

■ 151, 191, 90

■ 159, 191, 109

■ 168, 191, 129

■ 176, 191, 148

■ 181, 191, 167

■ 189, 191, 186

■ 191, 195, 205

Harmonies

Analogous

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



224, 124, 70



130, 191, 33



28, 149, 33

Triad

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



130, 191, 33



0, 84, 169



179, 117, 217

Complementary

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



130, 191, 33



33, 76, 191

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.



91, 128, 244



130, 191, 33



0, 94, 216

Square

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



130, 191, 33



0, 98, 166



0, 95, 244



224, 97, 171

Rectangle

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



130, 191, 33



50, 157, 100



0, 95, 244



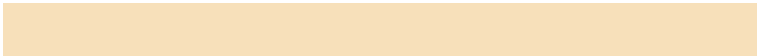
156, 125, 229

Sweetspot

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



130, 191, 33



223, 247, 186



191, 33, 94



109, 125, 87



252, 252, 252



125, 125, 125

Same Dimension

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



130, 191, 33



152, 247, 2



33, 191, 51



90, 94, 85



97, 158, 0



20, 31, 0

Inverse Universe

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



33, 76, 191



2, 70, 247



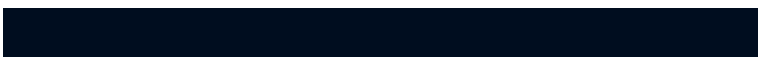
51, 33, 191



85, 88, 94



0, 43, 158



0, 9, 31

Previews

White Background



This preview shows how the RYB color 130, 191, 33 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 130, 191, 33 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

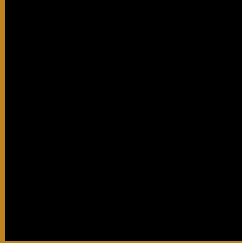
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

R Y B 130, 191, 33 Background



This preview shows how black text looks on a background with the RYB color 130, 191, 33.



This preview shows how white text looks on a background with the RYB color 130, 191, 33.

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
130, 191, 33

Protanopia
56, 161, 36

Deuteranopia
92, 180, 30



Tritanopia
196, 122, 131

Trichromacy



Original Color
130, 191, 33

Protanomaly
78, 172, 35

Deuteranomaly
105, 184, 31

Tritanomaly
194, 138, 95

Monochromacy



Original Color
130, 191, 33

Achromatopsia
138, 138, 138

Achromatomaly
136, 157, 100

CSS Examples

Text

The CSS property to change the color of the text to RYB 130, 191, 33 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(191, 131, 33)` looks like.

```
.text, #text, p{  
    color:rgb(191, 131, 33)  
}
```

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(191, 131, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 131, 33) }
```

Border

The CSS property to change the border of an element to RYB 130, 191, 33 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(191, 131, 33) }
```

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

```
.border{ border-color:rgb(191, 131, 33) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 131, 33)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(191, 131, 33); -webkit-box-shadow:4px 4px 4px 4px rgb(191, 131, 33); box-shadow:4px 4px 4px 4px rgb(191, 131, 33) }
```

Background

The CSS property to change the background color of an element to RGB 191, 131, 33 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 131, 33) }
```

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

```
.background{ background-color: rgb(191,  
131, 33) }
```

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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