

# Converting Colors

`RYB(131, 131, 131)`

Have a look what the booklet for  
RYB(131, 131, 131) contains.

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# Color

**R<sub>Y</sub>B(131, 131, 131)**

# Conversions

## Conversions Part 1

| <b>Format</b> | <b>Color</b>               |
|---------------|----------------------------|
| Hex           | 838383                     |
| RGB           | 131, 131, 131              |
| RGB Percent   | 51%, 51%, 51%              |
| CMY           | 0.4863, 0.4863, 0.4863     |
| CMYK          | 0.00, 0.00, 0.00, 0.49     |
| HSL           | 0°, 0%, 51%                |
| HSV           | 0°, 0%, 51%                |
| XYZ           | 21.5731, 22.6966, 24.7166  |
| YIQ           | 131.0000, -0.0000, -0.0000 |

# Conversions

## Conversions Part 2

| <b>Format</b>                       | <b>Color</b>                |
|-------------------------------------|-----------------------------|
| <b>R<sub>YB</sub></b>               | 131, 131, 131               |
| Decimal                             | 8618883                     |
| CIE Lab                             | 54.76, 0.00, -0.01          |
| CIE LCh                             | 55, 0.007, 296.813          |
| Yxy                                 | 22.6966, 0.3127,<br>0.3290  |
| Android<br>(android.graphics.Color) | 4286808963<br>(0xFF838383)  |
| YUV                                 | 131.0000, 0.0000,<br>0.0000 |
| Hunter-Lab                          | 47.6409, -2.5420,<br>2.5884 |

# Details

The RYB color **131, 131, 131** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **131, 131, 131**, and the grayscale version is **131, 131, 131**.

A 20% lighter version of the original color is **184, 184, 184**, and **82, 82, 82** is the 20% darker color. If you saturate the color by 10%, you get **131, 118, 118**, and if you desaturate by 10%, it is **131, 138, 144**.

# Distribution



Red (51%)

Green (51%)

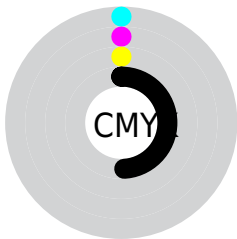
Blue (51%)



Red (51%)

Yellow (51%)

Blue (51%)



Cyan (0%)

Magenta (0%)

Yellow (0%)

Black (49%)



Cyan (49%)

Magenta (49%)


Yellow (49%)

# Brightness & Saturation Gradients


These gradients show how the RYB color 131, 131, 131 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 131, 131, 131 by changing the saturation by 10% instead.




 131, 131, 131


255, 255, 255

 184, 184, 184

 212, 212, 212

 240, 240, 240

 131, 131, 131

 106, 106, 106


 82, 82, 82


 59, 59, 59


 37, 37, 37


 16, 16, 16


 0, 0, 0


 131, 131, 131

 131, 118, 118


 131, 105, 105


 131, 131, 131


 131, 138, 144


 131, 144, 157


 131, 92, 92

 131, 151, 170


 131, 79, 79


 131, 157, 183


 131, 66, 66


 131, 164, 196


 131, 52, 52

 131, 171, 210


 131, 39, 39

 131, 177, 223

 131, 26, 26

 131, 184, 236

 131, 13, 13

 131, 190, 249

# Harmonies

# Sweetspot

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



131, 131, 131



171, 171, 171



87, 87, 87



214, 214, 214

# Same Dimension

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



131, 131, 131



171, 171, 171



66, 66, 66



130, 0, 0



3, 0, 0

# Inverse Universe

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



131, 131, 131



171, 171, 171



66, 66, 66



0, 65, 130



0, 2, 3

# Previews

## White Background



This preview shows how the RYB color 131, 131, 131 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 131, 131, 131 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

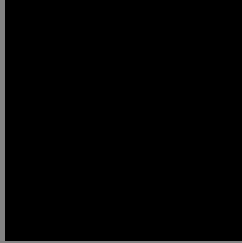
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

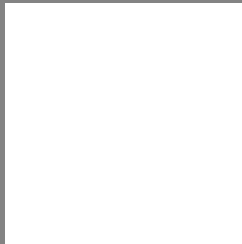
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## **RYB 131, 131, 131 Background**



This preview shows how black text looks on a background with the RYB color 131, 131, 131.



This preview shows how white text looks on a background with the RYB color 131, 131, 131.

# 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

131, 131, 131

### Protanopia

133, 130, 131

### Deuteranopia

143, 127, 132



**Tritanopia**  
132, 130, 140

# Trichromacy



## Original Color

131, 131, 131

## Protanomaly

132, 130, 131

## Deuteranomaly

139, 128, 132

## Tritanomaly

132, 130, 137

# Monochromacy



## Original Color

131, 131, 131

## Achromatopsia

131, 131, 131

## Achromatomaly

131, 131, 131

# CSS Examples

## Text

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

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

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

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

## Border

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

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

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

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

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

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

# Background

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

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

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

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

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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