

Converting Colors

`RYB(133, 128, 128)`

Have a look what the booklet for
RYB(133, 128, 128) contains.

RYB(133, 128, 128)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

R_YB(133, 128, 128)

Conversions

Conversions Part 1

Format	Color
Hex	858080
RGB	133, 128, 128
RGB Percent	52%, 50%, 50%
CMY	0.4784, 0.4980, 0.4980
CMYK	0.00, 0.04, 0.04, 0.48
HSL	0°, 2%, 51%
HSV	0°, 4%, 52%
XYZ	21.2883, 21.9834, 23.5433
YIQ	129.4950, 2.9800, 1.0600

Conversions

Conversions Part 2

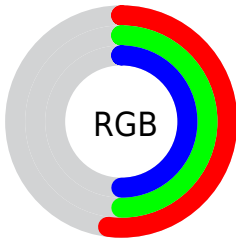
Format	Color
RYB	133, 128, 128
Decimal	8749184
CIELab	54.01, 1.88, 0.66
CIElCh	54, 1.997, 19.419
Yxy	21.9834, 0.3186, 0.3290
Android (android.graphics.Color)	4286939264 (0xFF858080)
YUV	129.4950, -0.7370, 3.0739
Hunter-Lab	46.8865, -1.0052, 3.0490

Details

The RYB color **133, 128, 128** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **128, 131, 133**, and the grayscale version is **130, 130, 130**.

A 20% lighter version of the original color is **186, 181, 181**, and **84, 79, 79** is the 20% darker color. If you saturate the color by 10%, you get **133, 115, 115**, and if you desaturate by 10%, it is **133, 137, 141**.

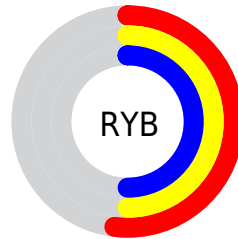
Distribution



Red (52%)

Green (50%)

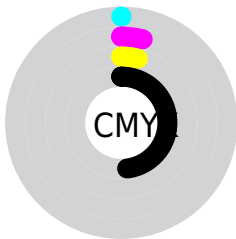
Blue (50%)



Red (52%)

Yellow (50%)

Blue (50%)

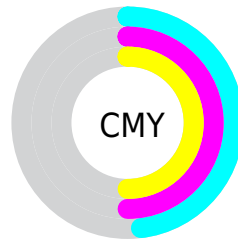


Cyan (0%)

Magenta (4%)

Yellow (4%)

Black (48%)



Cyan (48%)

Magenta (50%)

Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the RYB color 133, 128, 128 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 133, 128, 128 by changing the saturation by 10% instead.

 133, 128, 128

255, 255, 255

 186, 181, 181

 214, 208, 208

 242, 237, 237

 133, 128, 128

 108, 103, 103

 84, 79, 79

 60, 56, 56

 39, 35, 35

 18, 13, 13

 0, 0, 0

 133, 128, 128

 133, 115, 115

 133, 101, 101

 133, 128, 128


 133, 137, 141

 133, 144, 155

 133, 88, 88

 133, 151, 168

 133, 75, 75

 133, 157, 181

 133, 61, 61

 133, 164, 195

 133, 48, 48

 133, 171, 208

 133, 35, 35

 133, 177, 221

 133, 22, 22

 133, 184, 234

 133, 8, 8

 133, 191, 248

Harmonies

Analogous

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



132, 128, 130



133, 128, 128



133, 128, 127

Triad

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



133, 128, 128



127, 130, 130



127, 128, 132

Complementary

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



133, 128, 128



128, 131, 133

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.



125, 128, 132



133, 128, 128



126, 129, 130

Square

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



133, 128, 128



126, 129, 126



125, 128, 130



129, 129, 132

Rectangle

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



133, 128, 128



132, 132, 126



125, 128, 130



126, 128, 132

Sweetspot

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



133, 128, 128



173, 172, 172



133, 128, 133



87, 86, 86



214, 214, 214



87, 87, 87

Same Dimension

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



133, 128, 128



173, 165, 165



131, 133, 128



66, 62, 62



130, 0, 0



3, 0, 0

Inverse Universe

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



128, 131, 133



165, 169, 173



128, 130, 133



62, 64, 66



0, 65, 130



0, 2, 3

Previews

White Background



This preview shows how the RYB color 133, 128, 128 looks on a white background.

Color Contrast Check

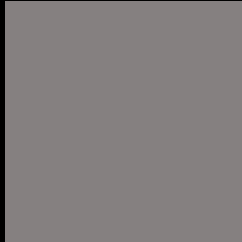
Large Text (above 18pt) WCAG AA ✓ Pass

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 133, 128, 128 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

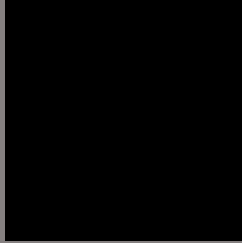
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

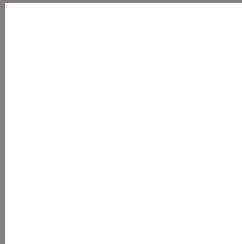
Any Text WCAG AAA × Fail

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

RYB 133, 128, 128 Background



This preview shows how black text looks on a background with the RYB color 133, 128, 128.



This preview shows how white text looks on a background with the RYB color 133, 128, 128.

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

133, 128, 128

Protanopia

131, 128, 128

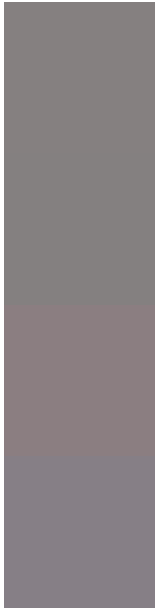
Deuteranopia

142, 125, 129



Tritanopia
134, 127, 137

Trichromacy



Original Color

133, 128, 128

Protanomaly

132, 128, 128

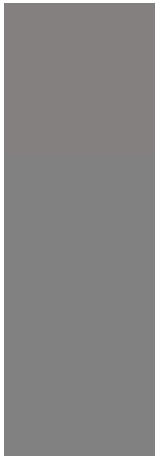
Deuteranomaly

139, 126, 129

Tritanomaly

134, 127, 134

Monochromacy



Original Color

133, 128, 128

Achromatopsia

129, 129, 129

Achromatomaly

130, 129, 129

CSS Examples

Text

The CSS property to change the color of the text to RYB 133, 128, 128 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(133, 128, 128)` looks like.

```
.text, #text, p{  
    color:rgb(133, 128, 128)  
}
```

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(133, 128, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 128, 128) }
```

Border

The CSS property to change the border of an element to RYB 133, 128, 128 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(133, 128, 128) }
```

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

```
.border{ border-color:rgb(133, 128, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 128, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 128, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 128, 128);  
box-shadow:4px 4px 4px 4px rgb(133, 128,  
128) }
```

Background

The CSS property to change the background color of an element to RYB 133, 128, 128 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 128, 128) }
```

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

```
.background{ background-color: rgb(133,  
128, 128) }
```

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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