

# Converting Colors

`RYB(235, 235, 235)`

Have a look what the booklet for  
RYB(235, 235, 235) contains.

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# **Color**

**RYB(235, 235, 235)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	EBEBEB
RGB	235, 235, 235
RGB Percent	92%, 92%, 92%
CMY	0.0784, 0.0784, 0.0784
CMYK	0.00, 0.00, 0.00, 0.08
HSL	0°, 0%, 92%
HSV	0°, 0%, 92%
XYZ	78.9647, 83.0770, 90.4708

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	235, 235, 235
Decimal	15461355
CIE Lab	93.05, 0.00, -0.01
CIE LCh	93, 0.011, 296.813
Yxy	83.0770, 0.3127, 0.3290
Android (android.graphics.Color)	4293651435 (0xFFEBEBEB)
YUV	235.0000, 0.0000, 0.0000

# Details

The RYB color `235, 235, 235` is a light color, and the **websafe** version is hex `FFFFFF`. A complement of this color would be `235, 235, 235`, and the grayscale version is `235, 235, 235`.

A 20% lighter version of the original color is `255, 255, 255`, and `179, 179, 179` is the 20% darker color. If you saturate the color by 10%, you get `235, 211, 211`, and if you desaturate by 10%, it is `235, 245, 255`.

# Distribution



Red (92%)

Green (92%)

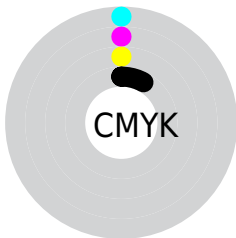
Blue (92%)



Red (92%)

Yellow (92%)

Blue (92%)

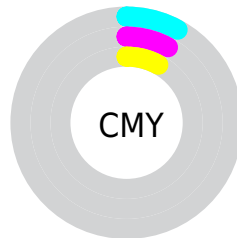


Cyan (0%)

Magenta (0%)

Yellow (0%)

Black (8%)



Cyan (8%)

Magenta (8%)

Yellow (8%)

# Brightness & Saturation Gradients

These gradients show how the RYB color 235, 235, 235 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 235, 235, 235 by changing the saturation by 10% instead.



 235, 235, 235

255, 255, 255


 235, 235, 235

 207, 207, 207

 179, 179, 179

 153, 153, 153


 127, 127, 127

 102, 102, 102

 78, 78, 78


 55, 55, 55


 34, 34, 34


 11, 11, 11


 235, 235, 235

 235, 211, 211

 235, 188, 188

 235, 164, 164

 235, 141, 141

 235, 118, 118

 235, 235, 235

 235, 245, 255

■ 235, 94, 94

■ 235, 71, 71

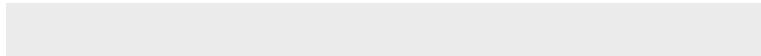
■ 235, 47, 47

■ 235, 23, 23

# Harmonies

# Sweetspot

The sweet spot groups the original color and five complimentary colors.



235, 235, 235

255, 255, 255



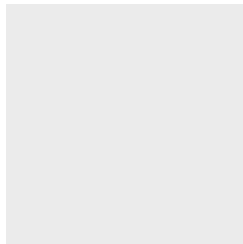
128, 128, 128



0, 0, 0

# Previews

## White Background



This preview shows how the RYB color 235, 235, 235 looks on a white background.

## Color Contrast Check

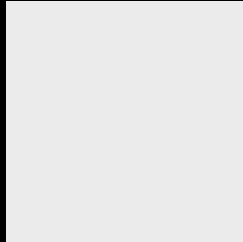
Large Text (above 18pt) WCAG AA × Fail

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 235, 235, 235 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

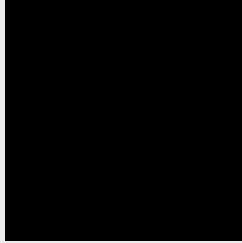
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

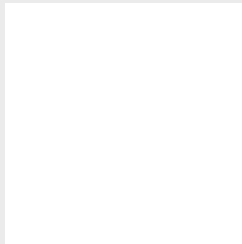
Any Text WCAG AAA ✓ Pass

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

## **RYB 235, 235, 235 Background**



This preview shows how black text looks on a background with the RYB color 235, 235, 235.

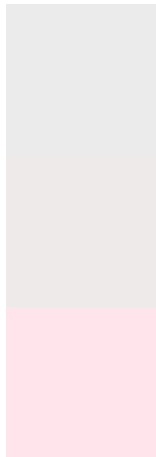


This preview shows how white text looks on a background with the RYB color 235, 235, 235.

# 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**  
235, 235, 235

**Protanopia**  
239, 234, 234

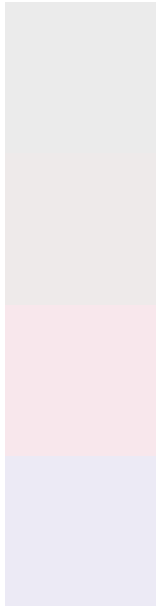
**Deuteranopia**  
255, 228, 236





**Tritanopia**  
237, 233, 251

# Trichromacy



## Original Color

235, 235, 235

## Protanomaly

238, 234, 234

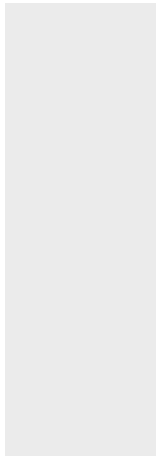
## Deuteranomaly

248, 231, 236

## Tritanomaly

236, 234, 245

# Monochromacy



## Original Color

235, 235, 235

## Achromatopsia

235, 235, 235

## Achromatomaly

235, 235, 235

# CSS Examples

## Text

The CSS property to change the color of the text to RGB 235, 235, 235 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(235, 235, 235) looks like.

```
.text, #text, p{  
    color:rgb(235, 235, 235)  
}
```

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(235, 235, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 235, 235) }
```

## Border

The CSS property to change the border of an element to RYB 235, 235, 235 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(235, 235, 235) }
```

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

```
.border{ border-color:rgb(235, 235, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 235, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 235, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 235, 235);  
box-shadow:4px 4px 4px 4px rgb(235, 235,  
235) }
```

# Background

The CSS property to change the background color of an element to RYB 235, 235, 235 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 235, 235) }
```

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

```
.background{ background-color: rgb(235,  
235, 235) }
```

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](#).

Hey! You found this booklet interesting? Have a look at my other booklet **HOWCOLORS.WORK – A CSS color notation guide.**



## **HOWCOLORS.WORK**

**A CSS color notation guide.**

Are you new to web development and want to know the different ways to express colors in CSS? Then this booklet is for you!

**HOWCOLORS.WORK will help you understand the syntax of the color notations in CSS.**

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