

Converting Colors

RGB(231, 231, 231)

Have a look what the booklet for
RGB(231, 231, 231) contains.

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Color

RGB(231, 231, 231)

Conversions

Conversions Part 1

Format	Color
Hex	E7E7E7
RGB	231, 231, 231
RGB Percent	91%, 91%, 91%
CMY	0.0941, 0.0941, 0.0941
CMYK	0.00, 0.00, 0.00, 0.09
HSL	0°, 0%, 91%
HSV	0°, 0%, 91%
XYZ	75.9547, 79.9103, 87.0223
YIQ	231.0000, -0.0000, -0.0000

Conversions

Conversions Part 2

Format	Color
R _Y B	231, 231, 231
Decimal	15198183
CIE Lab	91.64, 0.00, -0.01
CIE LCh	92, 0.011, 296.813
Yxy	79.9103, 0.3127, 0.3290
Android (android.graphics.Color)	4293388263 (0xFFE7E7E7)
YUV	231.0000, 0.0000, 0.0000
Hunter-Lab	89.3925, -4.7698, 4.8569

Details

The RGB color **231, 231, 231** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **231, 231, 231**, and the grayscale version is **231, 231, 231**.

A 20% lighter version of the original color is 255, 255, 255, and **175, 175, 175** is the 20% darker color. If you saturate the color by 10%, you get **231, 208, 208**, and if you desaturate by 10%, it is **231, 254, 254**.

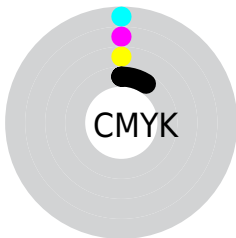
Distribution



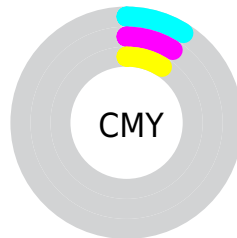
- Red (91%)
- Green (91%)
- Blue (91%)



- Red (91%)
- Yellow (91%)
- Blue (91%)



- Cyan (0%)
- Magenta (0%)
- Yellow (0%)
- Black (9%)





- Cyan (9%)
- Magenta (9%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the RGB color 231, 231, 231 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 RGB color 231, 231, 231 by changing the saturation by 10% instead.


 231, 231, 231


 231, 231, 231


255, 255, 255


 203, 203, 203

 175, 175, 175


 149, 149, 149

 123, 123, 123

 98, 98, 98

 74, 74, 74

 52, 52, 52

 31, 31, 31


 6, 6, 6

 231, 231, 231


 231, 231, 231


 231, 208, 208


 231, 254, 254


 231, 185, 185


 231, 255, 255


 231, 162, 162


 231, 139, 139

 231, 116, 116

 231, 92, 92

 231, 69, 69

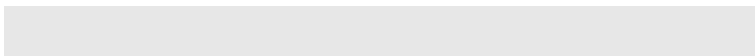
 231, 46, 46

 231, 23, 23

Harmonies

Sweetspot

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



231, 231, 231

255, 255, 255



128, 128, 128



0, 0, 0

Same Dimension

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



231, 231, 231

255, 255, 255



115, 115, 115



179, 0, 0



51, 0, 0

Inverse Universe

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



231, 231, 231

255, 255, 255



115, 115, 115



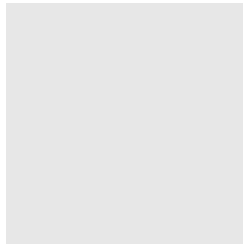
0, 179, 179



0, 51, 51

Previews

White Background



This preview shows how the RGB color 231, 231, 231 looks on a white background.

Color Contrast Check

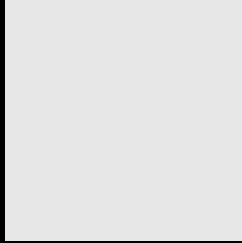
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the RGB color 231, 231, 231 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

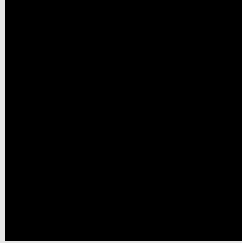
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

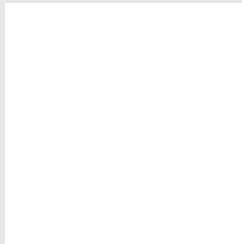
Any Text WCAG AAA ✓ Pass

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

RGB 231, 231, 231 Background



This preview shows how black text looks on a background with the RGB color 231, 231, 231.



This preview shows how white text looks on a background with the RGB color 231, 231, 231.

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](#).

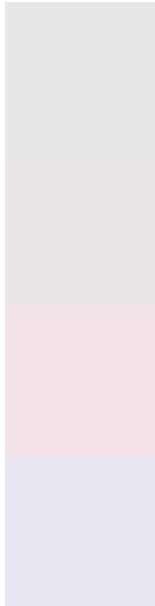
Dichromacy

	Original Color 231, 231, 231
	Protanopia 235, 230, 230
	Deuteranopia 252, 224, 232



Tritanopia
233, 229, 247

Trichromacy



Original Color

231, 231, 231

Protanomaly

234, 230, 230

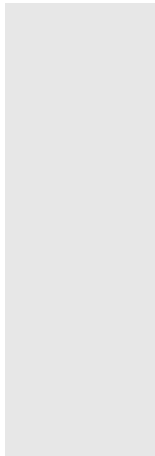
Deuteranomaly

244, 227, 232

Tritanomaly

232, 230, 241

Monochromacy



Original Color

231, 231, 231

Achromatopsia

231, 231, 231

Achromatomaly

231, 231, 231

CSS Examples

Text

The CSS property to change the color of the text to RGB 231, 231, 231 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(231, 231, 231) looks like.

```
.text, #text, p{  
    color:rgb(231, 231, 231)  
}
```

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(231, 231, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 231, 231) }
```

Border

The CSS property to change the border of an element to RGB 231, 231, 231 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(231, 231, 231) }
```

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

```
.border{ border-color:rgb(231, 231, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 231, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 231, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 231, 231);  
box-shadow:4px 4px 4px 4px rgb(231, 231,  
231) }
```

Background

The CSS property to change the background color of an element to RGB 231, 231, 231 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 231, 231) }
```

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

```
.background{ background-color: rgb(231,  
231, 231) }
```

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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