

Converting Colors

RGB(228, 228, 227)

Have a look what the booklet for
RGB(228, 228, 227) contains.

RGB(228, 228, 227)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	22
<i>Color Blindness Simulation</i>	25
<i>CSS Examples</i>	28

Color

RGB(228, 228, 227)

Conversions

Conversions Part 1

Format	Color
Hex	E4E4E3
RGB	228, 228, 227
RGB Percent	89%, 89%, 89%
CMY	0.1059, 0.1059, 0.1098
CMYK	0.00, 0.00, 0.00, 0.11
HSL	60°, 2%, 89%
HSV	60°, 0%, 89%
XYZ	73.6034, 77.5268, 83.7579
YIQ	227.8860, 0.3210, -0.3110

Conversions

Conversions Part 2

Format	Color
R_{YB}	227, 228, 227
Decimal	15000803
CIE Lab	90.56, -0.17, 0.48
CIE LCh	91, 0.508, 109.997
Yxy	77.5268, 0.3134, 0.3301
Android (android.graphics.Color)	4293190883 (0xFFE4E4E3)
YUV	227.8860, -0.4368, 0.1000
Hunter-Lab	88.0493, -4.8721, 5.2343

Details

The RGB color `228, 228, 227` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `227, 227, 228`, and the grayscale version is `228, 228, 228`.

A 20% lighter version of the original color is `255, 255, 255`, and `173, 173, 172` is the 20% darker color. If you saturate the color by 10%, you get `228, 228, 204`, and if you desaturate by 10%, it is `228, 228, 250`.

Distribution



Red (89%)

Green (89%)

Blue (89%)



Red (89%)

Yellow (89%)

Blue (89%)



Cyan (0%)

Magenta (0%)

Yellow (0%)

Black (11%)



Cyan (11%)

Magenta (11%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the RGB color 228, 228, 227 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 228, 228, 227 by changing the saturation by 10% instead.

■ 228, 228, 227

255, 255, 255

■ 228, 228, 227

■ 200, 200, 199

■ 173, 173, 172

■ 146, 146, 145

■ 120, 120, 120

■ 96, 96, 95

■ 72, 72, 71

■ 50, 50, 49

■ 29, 29, 28

■ 2, 2, 1

 228, 228, 227

 228, 228, 227

 228, 228, 204

 228, 228, 250

 228, 228, 181


 228, 228, 255


 228, 228, 159


 228, 228, 136

 228, 228, 113

 228, 228, 90

 228, 228, 67

 228, 228, 45

 228, 228, 22

Harmonies

Analogous

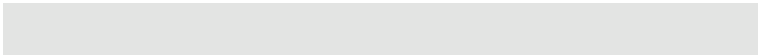
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



229, 228, 227



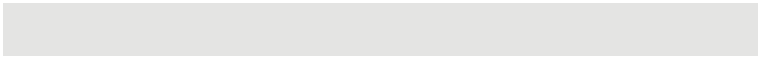
228, 228, 227



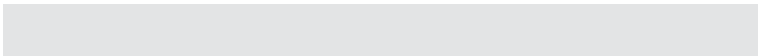
227, 228, 227

Triad

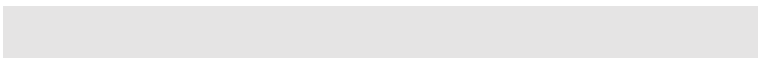
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



228, 228, 227



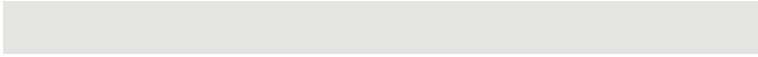
227, 228, 229



229, 228, 228

Complementary

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



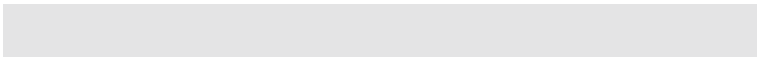
228, 228, 227



227, 227, 228

Split Complementary

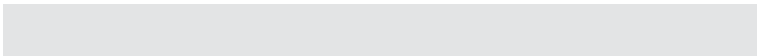
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



228, 228, 229



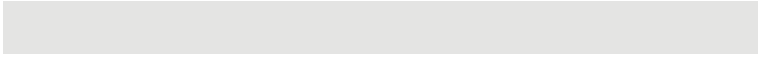
228, 228, 227



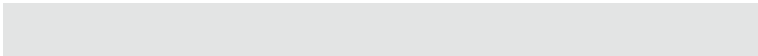
227, 228, 229

Square

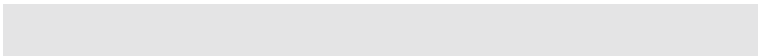
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



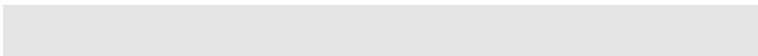
228, 228, 227



227, 228, 228



228, 228, 229



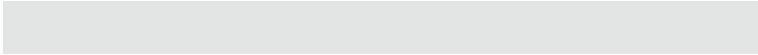
229, 228, 228

Rectangle

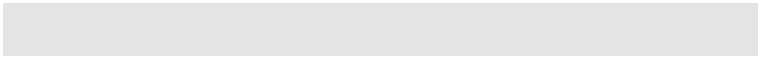
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



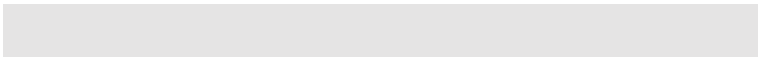
228, 228, 227



227, 228, 228



228, 228, 229



229, 228, 228

Sweetspot

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



228, 228, 227

255, 255, 255



228, 227, 227



128, 128, 128



0, 0, 0

Same Dimension

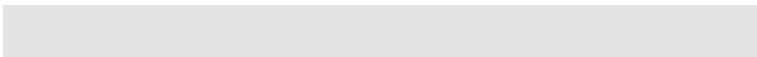
The Same Dimension uses a secret algorithm to generate beautiful new colors.



228, 228, 227



255, 255, 252



227, 228, 227



115, 115, 114



179, 179, 0



51, 51, 0

Inverse Universe

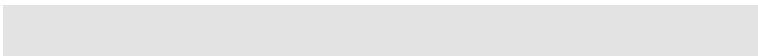
The Inverse Universe completely reimagines the original color for something new.



227, 227, 228



252, 252, 255



227, 227, 228



114, 114, 115



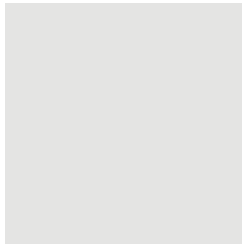
0, 0, 179



0, 0, 51

Previews

White Background



This preview shows how the RGB color 228, 228, 227 looks on a white background.

Color Contrast Check

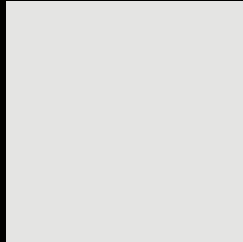
Large Text (above 18pt) WCAG AA × Fail

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 228, 228, 227 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

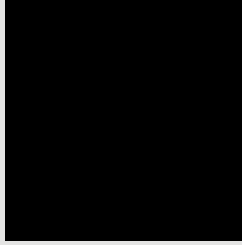
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

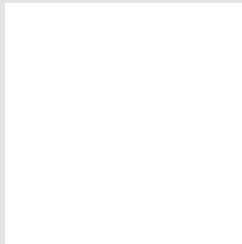
Any Text WCAG AAA ✓ Pass

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

RGB 228, 228, 227 Background



This preview shows how black text looks on a background with the RGB color 228, 228, 227.



This preview shows how white text looks on a background with the RGB color 228, 228, 227.

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](#).

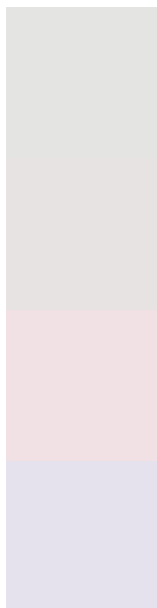
Dichromacy





Tritanopia
231, 225, 243

Trichromacy



Original Color

228, 228, 227

Protanomaly

231, 227, 226

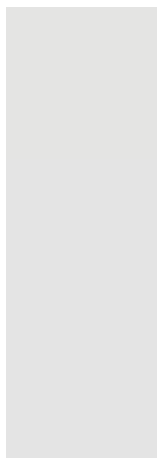
Deuteranomaly

241, 224, 228

Tritanomaly

230, 226, 237

Monochromacy



Original Color

228, 228, 227

Achromatopsia

228, 228, 228

Achromatomaly

228, 228, 228

CSS Examples

Text

The CSS property to change the color of the text to RGB 228, 228, 227 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(228, 228, 227)` looks like.

```
.text, #text, p{  
    color:rgb(228, 228, 227)  
}
```

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(228, 228, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 228, 227) }
```

Border

The CSS property to change the border of an element to RGB 228, 228, 227 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(228, 228, 227) }
```

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

```
.border{ border-color:rgb(228, 228, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 228, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 228, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 228, 227);  
box-shadow:4px 4px 4px 4px rgb(228, 228,  
227) }
```

Background

The CSS property to change the background color of an element to RGB 228, 228, 227 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 228, 227) }
```

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

```
.background{ background-color: rgb(228,  
228, 227) }
```

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? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor