

Converting Colors

Hex(233E33)

Have a look what the booklet for
Hex(233E33) contains.

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Color

Hex(233E33)

Conversions

Conversions Part 1	
Format	Color
Hex	233E33
RGB	35, 62, 51
RGB Percent	14%, 24%, 20%
CMY	0.8627, 0.7569, 0.8000
CMYK	0.44, 0.00, 0.18, 0.76
HSL	156°, 28%, 19%
HSV	156°, 44%, 24%
XYZ	3.0133, 4.0416, 3.7533
YIQ	52.6730, -12.5610, -9.1450

Conversions

Conversions Part 2

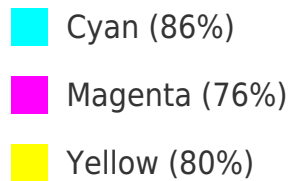
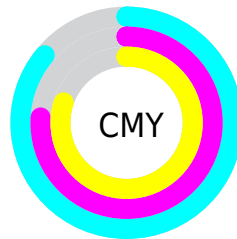
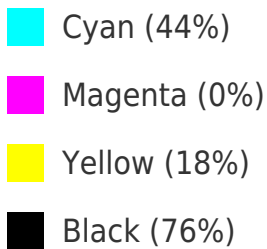
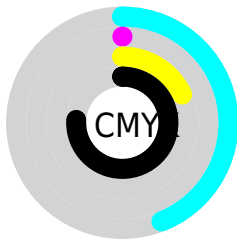
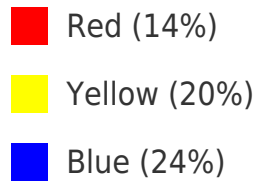
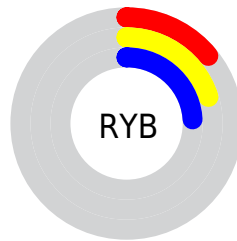
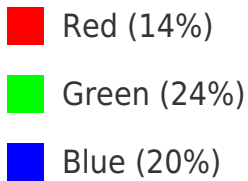
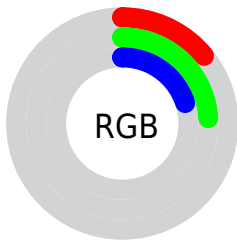
Format	Color
RYB	35, 52, 62
Decimal	2309683
CIELab	23.81, -13.34, 3.55
CIELCh	24, 13.803, 165.116
Yxy	4.0416, 0.2788, 0.3739
Android (android.graphics.Color)	4280499763 (0xFF233E33)
YUV	52.6730, -0.8248, -15.4992
Hunter-Lab	20.1037, -8.4265, 3.0035

Details

The Hex color **233E33** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **3E232E**, and the grayscale version is **353535**.

A 20% lighter version of the original color is **516E61**, and **001505** is the 20% darker color. If you saturate the color by 10%, you get **1D3E30**, and if you desaturate by 10%, it is **293E36**.

Distribution



Brightness & Saturation Gradients

These gradients show how the Hex color 233E33 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 Hex color 233E33 by changing the saturation by 10% instead.

 233E33

 233E33

FFFFFF

 0D281E

 516E61

 001505

 6A877A

 000000

 83A194

 9DBCAE

 B8D8CA

 D4F5E6

 F1FFFF

 233E33

 233E33

 1D3E30 293E36 173E2E 2F3E38 103E2B 363E3B 0A3E29 3C3E3D 043E26 423E40 003E25 483E42 4E3E45 553E47 5B3E4A

Harmonies

Analogous

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



2F3C2A



233E33



193E3E

Triad

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



233E33



33384D



4B332A

Complementary

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



233E33



3E232E

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.



4D3134



233E33



413447

Square

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



233E33



243B4C



4A323E



453625

Rectangle

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



233E33



183E44



4A323E



4D322D

Sweetspot

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



233E33



47524D



2E3E23



222926



A8A8A8



292929

Same Dimension

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



233E33



275240



233C3E



1C1F1D



005E38



00DE83

Inverse Universe

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



3E232E



522738



3E2523



1F1C1D



5E0026



DE005A

Previews

White Background



This preview shows how the Hex color 233E33 looks on a white 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

Black Background



This preview shows how the Hex color 233E33 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

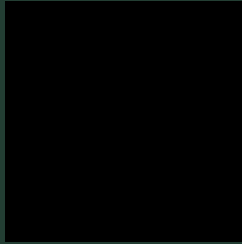
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Hex 233E33 Background



This preview shows how black text looks on a background with the Hex color 233E33.



This preview shows how white text looks on a background with the Hex color 233E33.

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
233E33

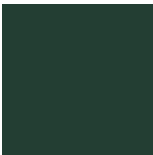
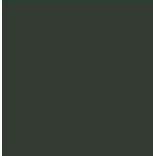
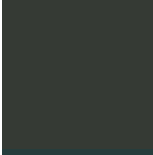

Protanopia
3B3830

Deuteranopia
3F3735


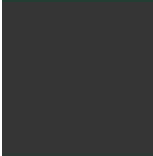
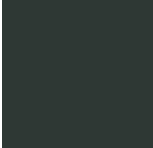


Tritanopia
273C41

Trichromacy

	Original Color 233E33
	Protanomaly 323A31
	Deuteranomaly 353A34
	Tritanomaly 263D3C

Monochromacy

	Original Color 233E33
	Achromatopsia 353535
	Achromatomaly 2E3834

CSS Examples

Text

The CSS property to change the color of the text to Hex 233E33 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 #233E33 looks like.

```
.text, #text, p{  
    color:#233E33  
}
```

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 #233E33 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #233E33
}
```

Border

The CSS property to change the border of an element to Hex 233E33 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
#233E33 }
```

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

```
.border{ border-color:#233E33 }
```

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

Here you see how a box with a 4 pixel #233E33 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #233E33; -webkit-box-shadow:4px 4px  
4px 4px #233E33; box-shadow:4px 4px 4px  
4px #233E33 }
```

Background

The CSS property to change the background color of an element to Hex 233E33 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#233E33 }
```

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

```
.background{ background-color:#233E33 }
```

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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