

Converting Colors

Hex(233022)

Have a look what the booklet for
Hex(233022) contains.

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Color

Hex(233022)

Conversions

Conversions Part 1

Format	Color
Hex	233022
RGB	35, 48, 34
RGB Percent	14%, 19%, 13%
CMY	0.8627, 0.8118, 0.8667
CMYK	0.27, 0.00, 0.29, 0.81
HSL	116°, 17%, 16%
HSV	116°, 29%, 19%
XYZ	2.0388, 2.5867, 1.9052
YIQ	42.5170, -3.2540, -7.1100

Conversions

Conversions Part 2

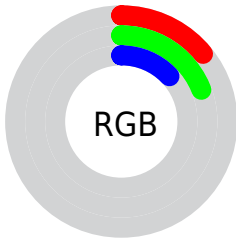
Format	Color
RYB	34, 48, 47
Decimal	2306082
CIELab	18.31, -8.95, 7.23
CIELCh	18, 11.500, 141.071
Yxy	2.5867, 0.3122, 0.3961
Android (android.graphics.Color)	4280496162 (0xFF233022)
YUV	42.5170, -4.1989, -6.5924
Hunter-Lab	16.0833, -5.5180, 4.2349

Details

The Hex color **233022** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **2F2230**, and the grayscale version is **2B2B2B**.

A 20% lighter version of the original color is **505E4E**, and **000000** is the 20% darker color. If you saturate the color by 10%, you get **1F301D**, and if you desaturate by 10%, it is **273027**.

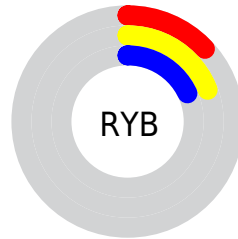
Distribution



Red (14%)

Green (19%)

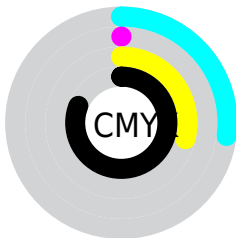
Blue (13%)



Red (13%)

Yellow (19%)

Blue (18%)

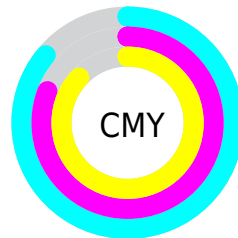


Cyan (27%)

Magenta (0%)

Yellow (29%)

Black (81%)



Cyan (86%)

Magenta (81%)

Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the Hex color 233022 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 233022 by changing the saturation by 10% instead.

■ 233022

■ 233022

FFFFFF

■ 0F1B0C

■ 505E4E

■ 000000

■ 687766

■ 81907F

■ 9BAB99

■ B6C6B4

■ D2E2D0

■ EEFFEC

■ 233022

■ 233022

■ 1F301D

■ 273027

■ 1A3018

■ 2C302C

■ 163014

■ 303030

■ 11300F

■ 353035

■ 0D300A

■ 39303A

■ 083005

■ 3E303F

■ 043000

■ 423044

■ 033000

■ 473048

■ 4B304D

Harmonies

Analogous

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



2C2E1D



233022



1A312A

Triad

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



233022



1E2E3D



3D2727

Complementary

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



233022



2F2230

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.



3B272F



233022



2A2B3C

Square

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



233022



153039



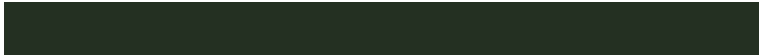
352937



3B2920

Rectangle

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



233022



153130



352937



3D272A

Sweetspot

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



233022



383D38



302F22



1B1F1B



9E9E9E



1F1F1F

Same Dimension

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



233022



293D28



223028



151715



065700



0FD600

Inverse Universe

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



2F2230



3C283D



30222A



171517



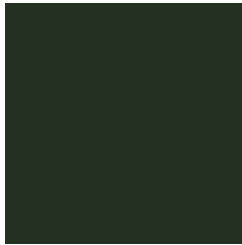
510057



C700D6

Previews

White Background



This preview shows how the Hex color 233022 looks on a white background.

Color Contrast Check

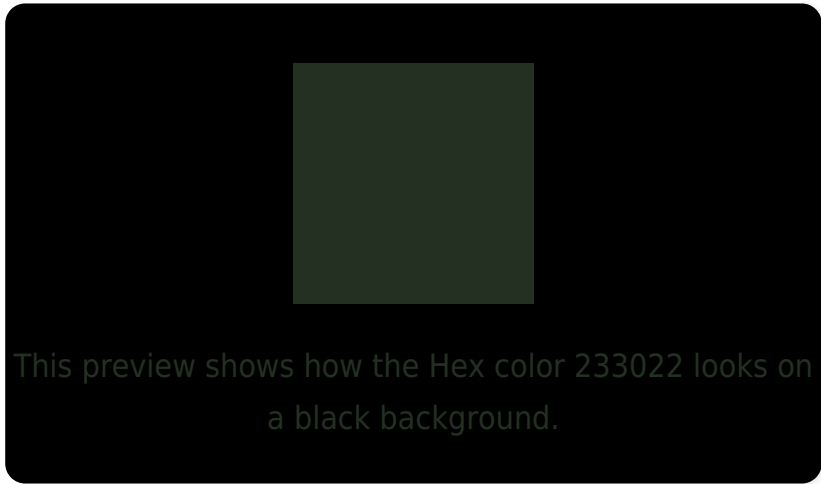
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

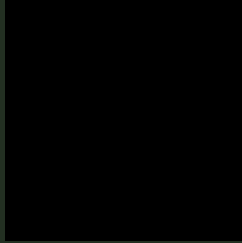
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

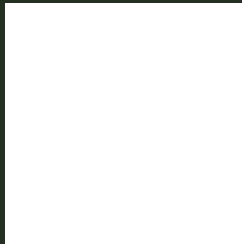
Any Text WCAG AAA × Fail

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

Hex 233022 Background



This preview shows how black text looks on a background with the Hex color 233022.

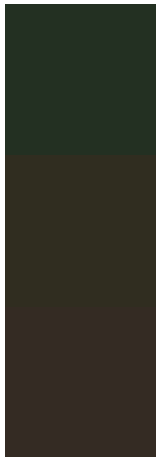


This preview shows how white text looks on a background with the Hex color 233022.

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](#).

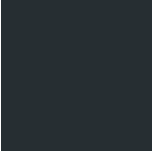
Dichromacy



Original Color
233022

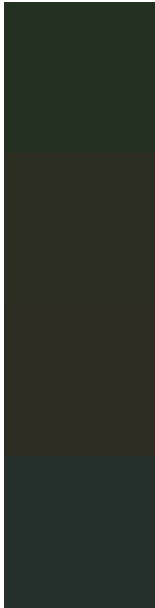
Protanopia
302D20

Deuteranopia
342B23



Tritanopia
262E32

Trichromacy



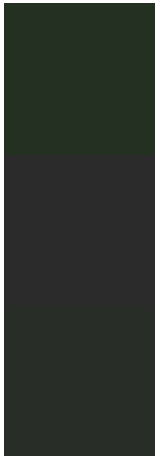
Original Color
233022

Protanomaly
2B2E21

Deuteranomaly
2E2D23

Tritanomaly
252F2C

Monochromacy



Original Color
233022

Achromatopsia
2B2B2B

Achromatomaly
282D28

CSS Examples

Text

The CSS property to change the color of the text to Hex 233022 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 #233022 looks like.

```
.text, #text, p{  
    color:#233022  
}
```

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 #233022 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #233022
}
```

Border

The CSS property to change the border of an element to Hex 233022 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
#233022 }
```

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

```
.border{ border-color:#233022 }
```

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

Here you see how a box with a 4 pixel #233022 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #233022; -webkit-box-shadow:4px 4px  
4px 4px #233022; box-shadow:4px 4px 4px  
4px #233022 }
```

Background

The CSS property to change the background color of an element to Hex 233022 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#233022 }
```

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

```
.background{ background-color:#233022 }
```

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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