

Converting Colors

Hex(22312E)

Have a look what the booklet for
Hex(22312E) contains.

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Color

Hex(22312E)

Conversions

Conversions Part 1

Format	Color
Hex	22312E
RGB	34, 49, 46
RGB Percent	13%, 19%, 18%
CMY	0.8667, 0.8078, 0.8196
CMYK	0.31, 0.00, 0.06, 0.81
HSL	168°, 18%, 16%
HSV	168°, 31%, 19%
XYZ	2.2511, 2.7340, 2.9938
YIQ	44.1730, -7.9770, -4.1130

Conversions

Conversions Part 2

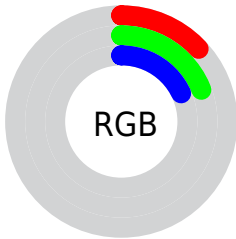
Format	Color
RYB	34, 42, 49
Decimal	2240814
CIELab	18.95, -7.04, -0.11
CIELCh	19, 7.037, 180.932
Yxy	2.7340, 0.2821, 0.3426
Android (android.graphics.Color)	4280430894 (0xFF22312E)
YUV	44.1730, 0.9007, -8.9217
Hunter-Lab	16.5347, -4.6336, 0.8390

Details

The Hex color **22312E** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **312225**, and the grayscale version is **2C2C2C**.

A 20% lighter version of the original color is **4F5F5C**, and **000000** is the 20% darker color. If you saturate the color by 10%, you get **1D312D**, and if you desaturate by 10%, it is **27312F**.

Distribution



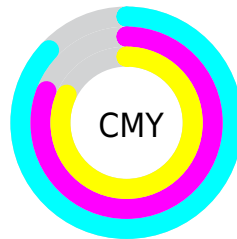
- Red (13%)
- Green (19%)
- Blue (18%)



- Red (13%)
- Yellow (16%)
- Blue (19%)



- Cyan (31%)
- Magenta (0%)
- Yellow (6%)
- Black (81%)



- Cyan (87%)
- Magenta (81%)
- Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the Hex color 22312E 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 22312E by changing the saturation by 10% instead.

■ 22312E

■ 22312E

FFFFFF

■ 0E1C19

■ 4F5F5C

■ 000000

■ 677874

■ 80928E

■ 9AACA8

■ B5C7C3

■ D1E3DF

■ EDFFFC

■ 22312E

■ 22312E

■ 1D312D

■ 27312F

■ 18312C

■ 2C3130

■ 13312B

■ 313131

■ 0E312A

■ 363132

■ 0A3129

■ 3B3133

■ 053128

■ 3F3134

■ 003127

■ 443135

■ 493136

■ 4E3137

Harmonies

Analogous

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



263029



22312E



203133

Triad

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



22312E



2F2D37



362C25

Complementary

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



22312E



312225

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.



392B29



22312E



352B33

Square

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



22312E



292E38



382A2E



322E24

Rectangle

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



22312E



223036



382A2E



372C26

Sweetspot

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



22312E



3A403F



253122



1E2120



A1A1A1



212121

Same Dimension

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



22312E



28403B



222D31



171A19



005947



00D9AD

Inverse Universe

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



312225



40282D



312722



1A1717



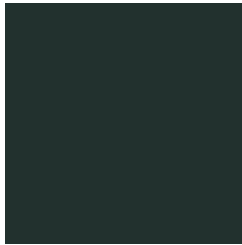
590012



D9002B

Previews

White Background



This preview shows how the Hex color 22312E looks on a white background.

Color Contrast Check

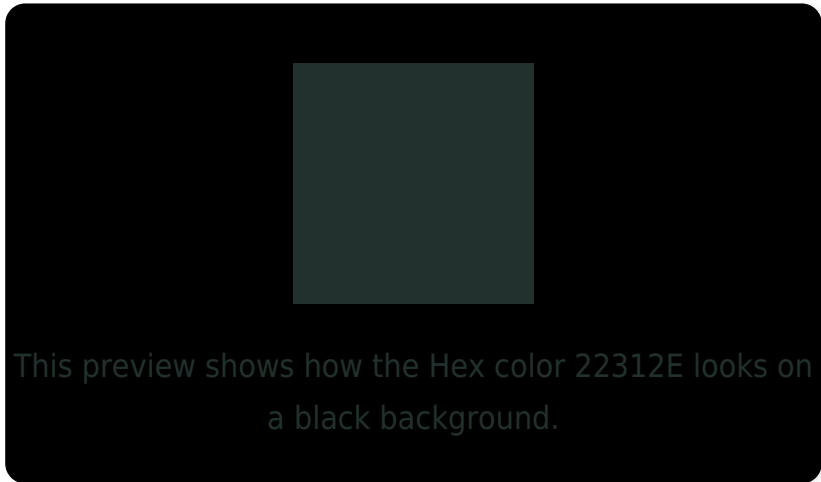
Large Text (above 18pt) WCAG AA ✓ Pass

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

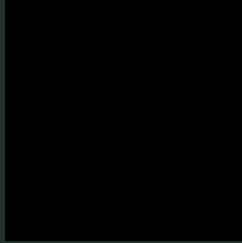
Any Text WCAG AA × Fail

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 22312E Background



This preview shows how black text looks on a background with the Hex color 22312E.



This preview shows how white text looks on a background with the Hex color 22312E.

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
22312E

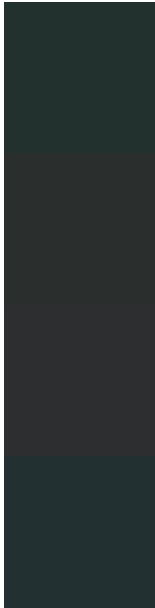
Protanopia
2F2E2C

Deuteranopia
322D2F



Tritanopia
233034

Trichromacy



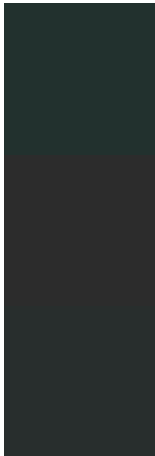
Original Color
22312E

Protanomaly
2A2F2D

Deuteranomaly
2C2E2F

Tritanomaly
233032

Monochromacy



Original Color
22312E

Achromatopsia
2C2C2C

Achromatomaly
282E2D

CSS Examples

Text

The CSS property to change the color of the text to Hex 22312E 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 #22312E looks like.

```
.text, #text, p{  
    color:#22312E  
}
```

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 #22312E colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #22312E
}
```

Border

The CSS property to change the border of an element to Hex 22312E is called "border". The border property can be set on classes, ids or directly on the HTML element.

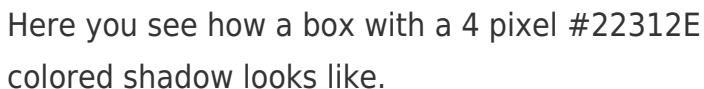
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#22312E }
```

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

```
.border{ border-color:#22312E }
```

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



Here you see how a box with a 4 pixel #22312E colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #22312E; -webkit-box-shadow:4px 4px  
4px 4px #22312E; box-shadow:4px 4px 4px  
4px #22312E }
```

Background

The CSS property to change the background color of an element to Hex 22312E is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#22312E }
```

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

```
.background{ background-color:#22312E }
```

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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