

Converting Colors

Hex(232E02)

Have a look what the booklet for
Hex(232E02) contains.

Hex(232E02)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

Hex(232E02)

Conversions

Conversions Part 1

Format	Color
Hex	232E02
RGB	35, 46, 2
RGB Percent	14%, 18%, 1%
CMY	0.8627, 0.8196, 0.9922
CMYK	0.24, 0.00, 0.96, 0.82
HSL	75°, 92%, 9%
HSV	75°, 96%, 18%
XYZ	1.6811, 2.3157, 0.4158
YIQ	37.6950, 7.5680, -16.0160

Conversions

Conversions Part 2

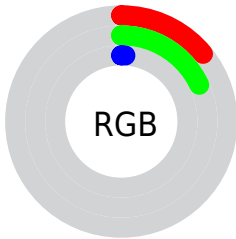
Format	Color
R_{YB}	2, 46, 13
Decimal	2305538
CIE _{Lab}	17.06, -12.24, 23.47
CIE _{LCh}	17, 26.474, 117.546
Yxy	2.3157, 0.3810, 0.5248
Android (android.graphics.Color)	4280495618 (0xFF232E02)
YUV	37.6950, -17.5976, -2.3635
Hunter-Lab	15.2174, -6.9113, 9.0321

Details

The Hex color **232E02** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **0D022E**, and the grayscale version is **262626**.

A 20% lighter version of the original color is **515C30**, and **000000** is the 20% darker color. If you saturate the color by 10%, you get **232E00**, and if you desaturate by 10%, it is **242E07**.

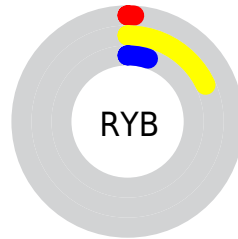
Distribution



Red (14%)

Green (18%)

Blue (1%)



Red (1%)

Yellow (18%)

Blue (5%)

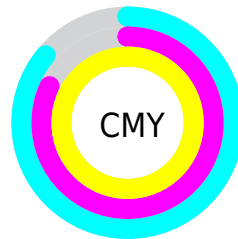


Cyan (24%)

Magenta (0%)

Yellow (96%)

Black (82%)



Cyan (86%)

Magenta (82%)

Yellow (99%)

Brightness & Saturation Gradients

These gradients show how the Hex color 232E02 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 232E02 by changing the saturation by 10% instead.

 232E02

 232E02

 FFFFE5

 081A00

 515C30

 000000

 697447

 838E5F

 9DA879

 B8C492

 D4E0AD

 F1FCC9

 232E02

 232E02

■ 232E00

■ 242E07

■ 252E0B

■ 262E10

■ 282E14

■ 292E19

■ 2A2E1E

■ 2B2E22

■ 2C2E27

■ 2D2E2B

Harmonies

Analogous

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



362800



232E02



063115

Triad

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



232E02



00314A



4B182C

Complementary

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



232E02



0D022E

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.



3F1D3F



232E02



002D50

Square

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



232E02



00333B



27264C



4B1A1A

Rectangle

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



232E02



003321



27264C



481933

Sweetspot

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



232E02



363B2A



2E0D02



1C1F14



9E9E9E



1F1F1F

Same Dimension

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



232E02



2C3B00



0D2E02



161715



415700



A1D600

Inverse Universe

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



0D022E



0F003B



23022E



151517



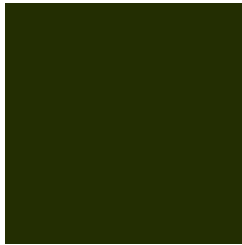
160057



3600D6

Previews

White Background



This preview shows how the Hex color 232E02 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

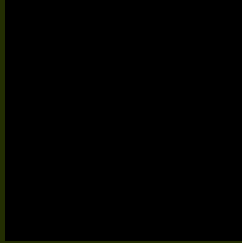
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

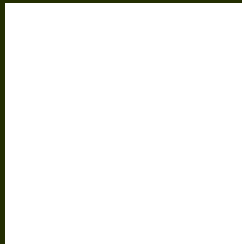
Any Text WCAG AAA × Fail

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

Hex 232E02 Background



This preview shows how black text looks on a background with the Hex color 232E02.



This preview shows how white text looks on a background with the Hex color 232E02.

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
232E02

Protanopia
302A00

Deuteranopia
352809



Tritanopia
272B2E

Trichromacy



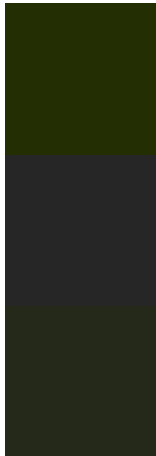
Original Color
232E02

Protanomaly
2B2B01

Deuteranomaly
2E2A06

Tritanomaly
262C1E

Monochromacy



Original Color
232E02

Achromatopsia
262626

Achromatomaly
252919

CSS Examples

Text

The CSS property to change the color of the text to Hex 232E02 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 #232E02 looks like.

```
.text, #text, p{  
    color:#232E02  
}
```

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 #232E02 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #232E02
}
```

Border

The CSS property to change the border of an element to Hex 232E02 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".

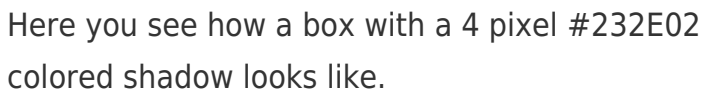
```
.border, #border, table{ border:4px solid
#232E02 }
```

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

```
.border{ border-color:#232E02 }
```

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

Here you see how a box with a 4 pixel #232E02 colored shadow looks like.

A rectangular box with a dark green border and a dark green shadow. The box is white with a thin dark green border on the top and left sides, and a thicker dark green shadow on the bottom and right sides.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #232E02; -webkit-box-shadow:4px 4px  
4px 4px #232E02; box-shadow:4px 4px 4px  
4px #232E02 }
```

Background

The CSS property to change the background color of an element to Hex 232E02 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#232E02 }
```

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

```
.background{ background-color:#232E02 }
```

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