

Converting Colors

Hex(233728)

Have a look what the booklet for
Hex(233728) contains.

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Color

Hex(233728)

Conversions

Conversions Part 1

| Format | Color |
|-------------|---------------------------|
| Hex | 233728 |
| RGB | 35, 55, 40 |
| RGB Percent | 14%, 22%, 16% |
| CMY | 0.8627, 0.7843, 0.8431 |
| CMYK | 0.36, 0.00, 0.27, 0.78 |
| HSL | 135°, 22%, 18% |
| HSV | 135°, 36%, 22% |
| XYZ | 2.4423, 3.2429, 2.5047 |
| YIQ | 47.3100, -7.1050, -8.9050 |

Conversions

Conversions Part 2

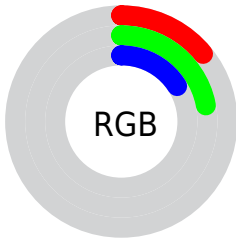
| Format | Color |
|-------------------------------------|-------------------------------|
| R_{YB} | 35, 51, 55 |
| Decimal | 2307880 |
| CIE Lab | 20.99, -11.90, 6.90 |
| CIE LCh | 21, 13.756, 149.902 |
| Yxy | 3.2429, 0.2982, 0.3960 |
| Android (android.graphics.Color) | 4280497960 (0xFF233728) |
| YUV | 47.3100, -3.6038, -10.7959 |
| Hunter-Lab | 18.0081, -7.3052, 4.3591 |

Details

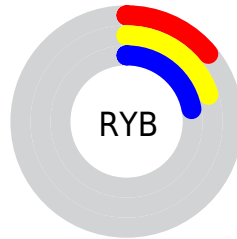
The Hex color **233728** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **372332**, and the grayscale version is **2F2F2F**.

A 20% lighter version of the original color is **506655**, and **000700** is the 20% darker color. If you saturate the color by 10%, you get **1E3724**, and if you desaturate by 10%, it is **29372C**.

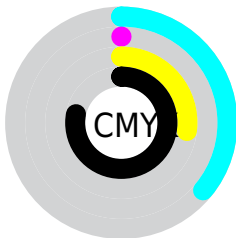
Distribution



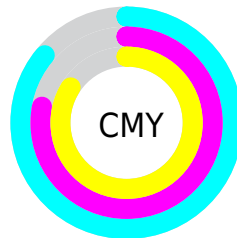
- Red (14%)
- Green (22%)
- Blue (16%)



- Red (14%)
- Yellow (20%)
- Blue (22%)



- Cyan (36%)
- Magenta (0%)
- Yellow (27%)
- Black (78%)



- Cyan (86%)
- Magenta (78%)
- Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the Hex color 233728 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 233728 by changing the saturation by 10% instead.

■ 233728

■ 233728

FFFFFF

■ 0E2114

■ 506655

■ 000700

■ 697F6D

■ 000000

■ 829987

■ 9CB4A1

■ B7CFBC

■ D3ECD8

■ EFFFF4

■ 233728

■ 233728

■ 1E3724

■ 29372C

■ 183720

■ 2E3730

■ 13371C

■ 343734

■ 0D3718

■ 393739

■ 083713

■ 3F373D

■ 02370F

■ 443741

■ 00370E

■ 4A3745

■ 4F3749

■ 55374D

Harmonies

Analogous

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



2F3521



233728



173832

Triad

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



233728



253347



462C29

Complementary

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



233728



372332

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.



462B33



233728



343044

Square

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



233728



163644



3F2D3D



422E21

Rectangle

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



233728



123839



3F2D3D



472B2C

Sweetspot

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



233728



404742



323723



1F2420



A3A3A3



242424

Same Dimension

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



233728



284730



233732



191C1A



005C17



00DB37

Inverse Universe

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



372332



472840



372328



1C191B



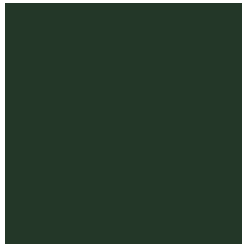
5C0045



DB00A4

Previews

White Background



This preview shows how the Hex color 233728 looks on a white background.

Color Contrast Check

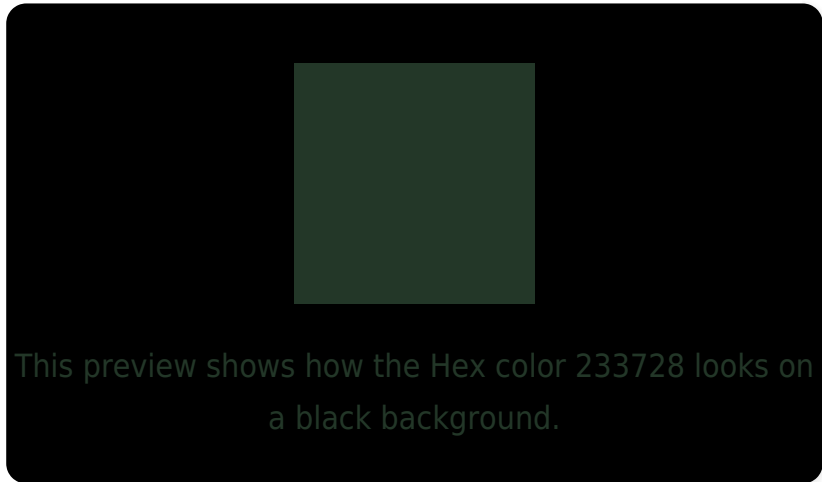
Large Text (above 18pt) WCAG AA ✓ Pass

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

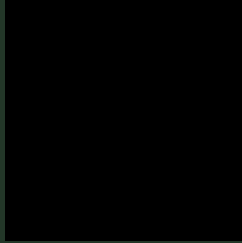
Any Text WCAG AA × Fail

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 233728 Background



This preview shows how black text looks on a background with the Hex color 233728.

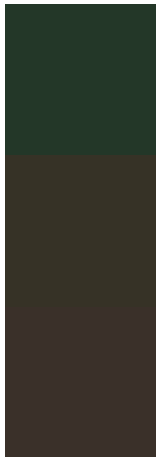


This preview shows how white text looks on a background with the Hex color 233728.

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
233728

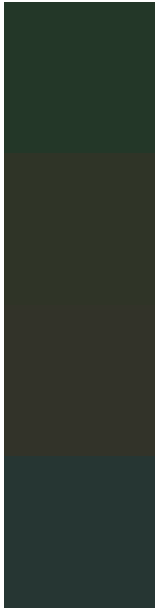
Protanopia
363226

Deuteranopia
3A3029



Tritanopia
273539

Trichromacy



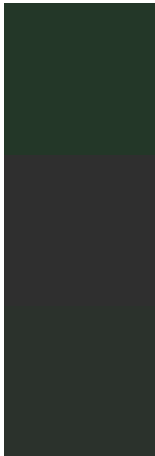
Original Color
233728

Protanomaly
2F3427

Deuteranomaly
323329

Tritanomaly
263633

Monochromacy



Original Color
233728

Achromatopsia
2F2F2F

Achromatomaly
2B322C

CSS Examples

Text

The CSS property to change the color of the text to Hex 233728 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 #233728 looks like.

```
.text, #text, p{  
    color:#233728  
}
```

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 #233728 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #233728
}
```

Border

The CSS property to change the border of an element to Hex 233728 is called "border". The border property can be set on classes, ids or directly on the HTML element.

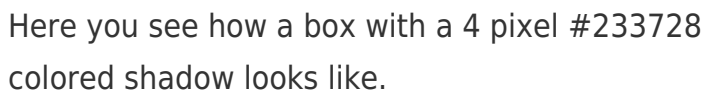
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#233728 }
```

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

```
.border{ border-color:#233728 }
```

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



Here you see how a box with a 4 pixel #233728 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #233728; -webkit-box-shadow:4px 4px  
4px 4px #233728; box-shadow:4px 4px 4px  
4px #233728 }
```

Background

The CSS property to change the background color of an element to Hex 233728 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#233728 }
```

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

```
.background{ background-color:#233728 }
```

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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