

Converting Colors

Hex(232330)

Have a look what the booklet for
Hex(232330) contains.

Hex(232330)	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(232330)

Conversions

Conversions Part 1

Format	Color
Hex	232330
RGB	35, 35, 48
RGB Percent	14%, 14%, 19%
CMY	0.8627, 0.8627, 0.8118
CMYK	0.27, 0.27, 0.00, 0.81
HSL	240°, 16%, 16%
HSV	240°, 27%, 19%
XYZ	1.8277, 1.7728, 3.0422
YIQ	36.4820, -4.1730, 4.0430

Conversions

Conversions Part 2

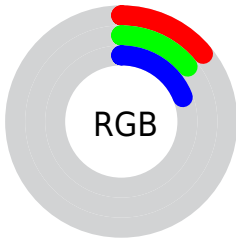
Format	Color
R_{YB}	35, 35, 48
Decimal	2302768
CIE Lab	14.25, 3.58, -8.54
CIE LCh	14, 9.259, 292.751
Yxy	1.7728, 0.2751, 0.2669
Android (android.graphics.Color)	4280492848 (0xFF232330)
YUV	36.4820, 5.6784, -1.2997
Hunter-Lab	13.3146, 1.2018, -4.2265

Details

The Hex color **232330** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **303023**, and the grayscale version is **242424**.

A 20% lighter version of the original color is **504F5E**, and **000000** is the 20% darker color. If you saturate the color by 10%, you get **1E1E30**, and if you desaturate by 10%, it is **282830**.

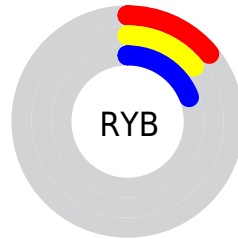
Distribution



Red (14%)

Green (14%)

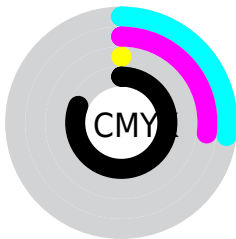
Blue (19%)



Red (14%)

Yellow (14%)

Blue (19%)

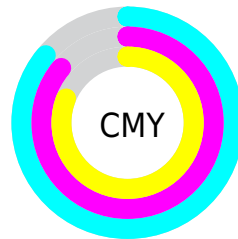


Cyan (27%)

Magenta (27%)

Yellow (0%)

Black (81%)



Cyan (86%)

Magenta (86%)

Yellow (81%)

Brightness & Saturation Gradients

These gradients show how the Hex color 232330 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 232330 by changing the saturation by 10% instead.

■ 232330

■ 232330

FFFFFF

■ 0E0D1B

■ 504F5E

■ 000000

■ 686777

■ 818090

■ 9B9AAB

■ B6B5C6

■ D1D1E2

■ EEEDFF

■ 232330

■ 232330

■ 1E1E30

■ 282830

■ 191930

■ 2D2D30

■ 151530

■ 313130

■ 101030

■ 363630

■ 0B0B30

■ 3B3B30

■ 060630

■ 404030

■ 010130

■ 454530

■ 000030

■ 494930

■ 4E4E30

Harmonies

Analogous

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



1A2531



232330



2B212C

Triad

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



232330



2F211A



152822

Complementary

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



232330



303023

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.



1C271C



232330



2A2317

Square

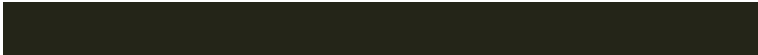
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



232330



31201F



242518



112829

Rectangle

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



232330



2F2028



242518



172720

Sweetspot

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



232330



38383D



233030



1C1C1F



9E9E9E



1F1F1F

Same Dimension

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



232330



29293D



2A2330



151517



000057



0000D6

Inverse Universe

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



302330



3D293D



2A3023



171517



570057



D600D6

Previews

White Background



This preview shows how the Hex color 232330 looks on a white background.

Color Contrast Check

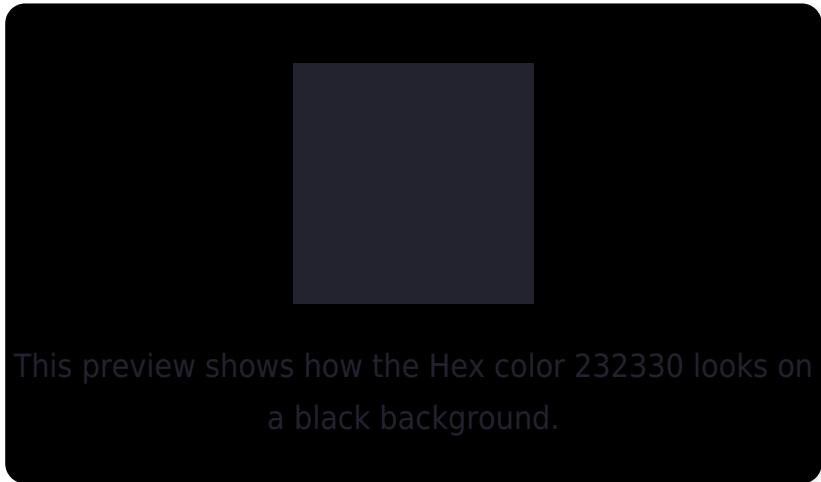
Large Text (above 18pt) WCAG AA ✓ Pass

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

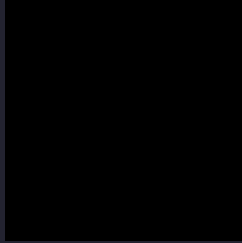
Any Text WCAG AA × Fail

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 232330 Background



This preview shows how black text looks on a background with the Hex color 232330.



This preview shows how white text looks on a background with the Hex color 232330.

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
232330

Protanopia
202431

Deuteranopia
212430



Tritanopia
212528

Trichromacy



Original Color
232330

Protanomaly
212431

Deuteranomaly
222430

Tritanomaly
22242B

Monochromacy



Original Color
232330

Achromatopsia
242424

Achromatomaly
242428

CSS Examples

Text

The CSS property to change the color of the text to Hex 232330 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 #232330 looks like.

```
.text, #text, p{  
    color:#232330  
}
```

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 #232330 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #232330
}
```

Border

The CSS property to change the border of an element to Hex 232330 is called "border". The border property can be set on classes, ids or directly on the HTML element.

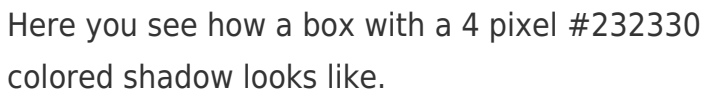
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#232330 }
```

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

```
.border{ border-color:#232330 }
```

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



Here you see how a box with a 4 pixel #232330 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #232330; -webkit-box-shadow:4px 4px  
4px 4px #232330; box-shadow:4px 4px 4px  
4px #232330 }
```

Background

The CSS property to change the background color of an element to Hex 232330 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#232330 }
```

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

```
.background{ background-color:#232330 }
```

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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