

Converting Colors

Hex(232D15)

Have a look what the booklet for
Hex(232D15) contains.

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Color

Hex(232D15)

Conversions

Conversions Part 1

Format	Color
Hex	232D15
RGB	35, 45, 21
RGB Percent	14%, 18%, 8%
CMY	0.8627, 0.8235, 0.9176
CMYK	0.22, 0.00, 0.53, 0.82
HSL	85°, 36%, 13%
HSV	85°, 53%, 18%
XYZ	1.7669, 2.2882, 1.0580
YIQ	39.2740, 1.7440, -9.5840

Conversions

Conversions Part 2

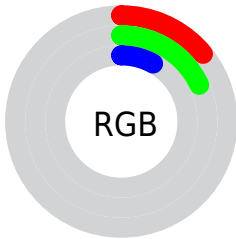
Format	Color
RYB	21, 45, 31
Decimal	2305301
CIELab	16.93, -9.50, 14.10
CIElCh	17, 17.002, 123.962
Yxy	2.2882, 0.3456, 0.4475
Android (android.graphics.Color)	4280495381 (0xFF232D15)
YUV	39.2740, -9.0091, -3.7483
Hunter-Lab	15.1269, -5.6227, 6.4420

Details

The Hex color **232D15** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **1F152D**, and the grayscale version is **272727**.

A 20% lighter version of the original color is **505B40**, and **000000** is the 20% darker color. If you saturate the color by 10%, you get **212D11**, and if you desaturate by 10%, it is **252D1A**.

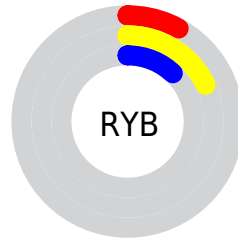
Distribution



Red (14%)

Green (18%)

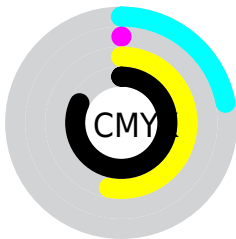
Blue (8%)



Red (8%)

Yellow (18%)

Blue (12%)

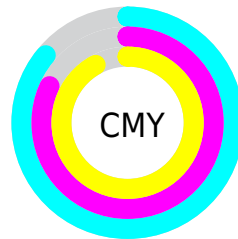


Cyan (22%)

Magenta (0%)

Yellow (53%)

Black (82%)



Cyan (86%)

Magenta (82%)

Yellow (92%)

Brightness & Saturation Gradients

These gradients show how the Hex color 232D15 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 232D15 by changing the saturation by 10% instead.

■ 232D15

■ 232D15

■ FFFFF7

■ 0E1900

■ 505B40

■ 000000

■ 687357

■ 828D70

■ 9CA789

■ B7C2A4

■ D2DEBF

■ EFFBDB

■ 232D15

■ 232D15

■ 212D11

■ 252D1A

■ 1F2D0C

■ 272D1E

■ 1D2D07

■ 292D23

■ 1C2D03

■ 2B2D27

■ 1A2D00

■ 2C2D2C

■ 2E2D30

■ 302D35

■ 322D39

■ 342D3E

Harmonies

Analogous

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



302A11



232D15



142F1F

Triad

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



232D15



002E3F



402029

Complementary

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



232D15



1F152D

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.



3A2235



232D15



192A42

Square

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



232D15



003037



2D263E



40211D

Rectangle

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



232D15



063027



2D263E



3F202D

Sweetspot

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



232D15



373B31



2D1F15



1C1F19



9E9E9E



1F1F1F

Same Dimension

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



232D15



2B3B15



172D15



161715



335700



7DD600

Inverse Universe

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



1F152D



25153B



2B152D



161517



240057



5900D6

Previews

White Background



This preview shows how the Hex color 232D15 looks on a white background.

Color Contrast Check

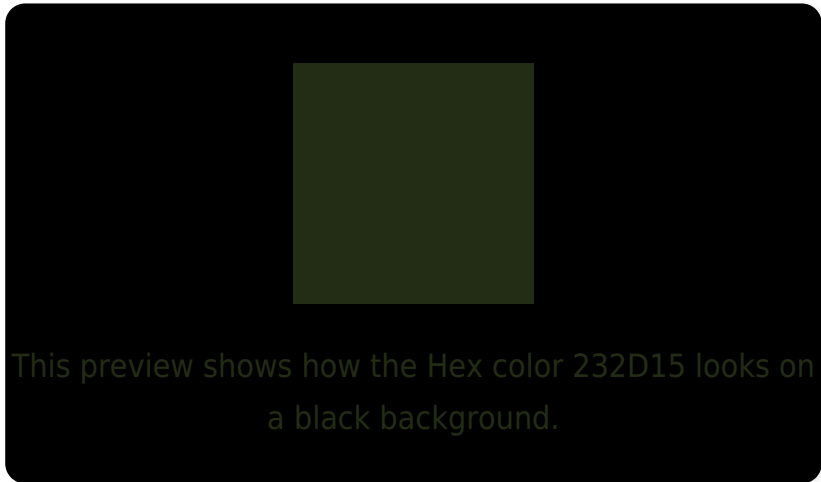
Large Text (above 18pt) WCAG AA ✓ Pass

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

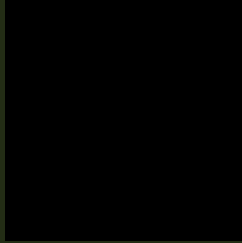
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

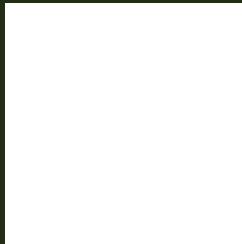
Any Text WCAG AAA × Fail

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

Hex 232D15 Background



This preview shows how black text looks on a background with the Hex color 232D15.



This preview shows how white text looks on a background with the Hex color 232D15.

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
232D15

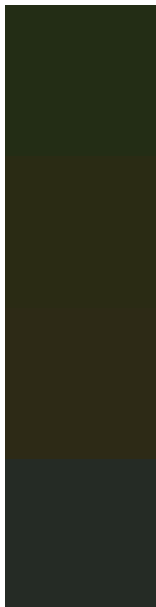
Protanopia
2E2A14

Deuteranopia
332816



Tritanopia
262A2E

Trichromacy



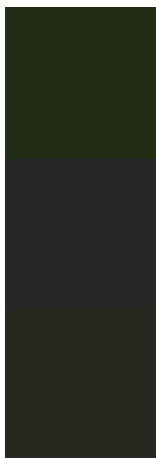
Original Color
232D15

Protanomaly
2A2B14

Deuteranomaly
2D2A16

Tritanomaly
252B25

Monochromacy



Original Color
232D15

Achromatopsia
272727

Achromatomaly
262920

CSS Examples

Text

The CSS property to change the color of the text to Hex 232D15 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 #232D15 looks like.

```
.text, #text, p{  
    color:#232D15  
}
```

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 #232D15 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #232D15
}
```

Border

The CSS property to change the border of an element to Hex 232D15 is called "border". The border property can be set on classes, ids or directly on the HTML element.

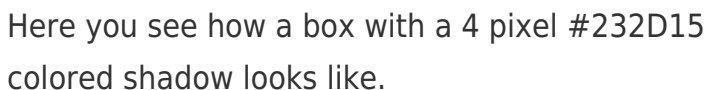
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#232D15 }
```

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

```
.border{ border-color:#232D15 }
```

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



Here you see how a box with a 4 pixel #232D15 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #232D15; -webkit-box-shadow:4px 4px  
4px 4px #232D15; box-shadow:4px 4px 4px  
4px #232D15 }
```

Background

The CSS property to change the background color of an element to Hex 232D15 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#232D15 }
```

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

```
.background{ background-color:#232D15 }
```

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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