

Converting Colors

Hex(22230D)

Have a look what the booklet for
Hex(22230D) contains.

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Color

Hex(22230D)

Conversions

Conversions Part 1

Format	Color
Hex	22230D
RGB	34, 35, 13
RGB Percent	13%, 14%, 5%
CMY	0.8667, 0.8627, 0.9490
CMYK	0.03, 0.00, 0.63, 0.86
HSL	63°, 46%, 9%
HSV	63°, 63%, 14%
XYZ	1.3334, 1.5712, 0.6138
YIQ	32.1930, 6.4660, -7.0540

Conversions

Conversions Part 2

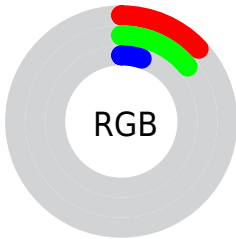
Format	Color
RYB	13, 35, 14
Decimal	2237197
CIELab	13.05, -4.64, 13.73
CIELCh	13, 14.491, 108.686
Yxy	1.5712, 0.3790, 0.4466
Android (android.graphics.Color)	4280427277 (0xFF22230D)
YUV	32.1930, -9.4621, 1.5847
Hunter-Lab	12.5348, -2.9482, 5.8712

Details

The Hex color **22230D** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **0E0D23**, and the grayscale version is **202020**.

A 20% lighter version of the original color is **4F4F38**, and **000000** is the 20% darker color. If you saturate the color by 10%, you get **222309**, and if you desaturate by 10%, it is **222311**.

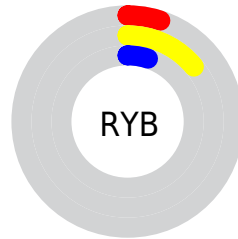
Distribution



Red (13%)

Green (14%)

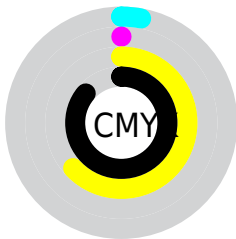
Blue (5%)



Red (5%)

Yellow (14%)

Blue (5%)

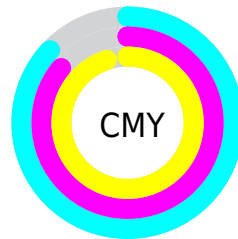


Cyan (3%)

Magenta (0%)

Yellow (63%)

Black (86%)



Cyan (87%)

Magenta (86%)

Yellow (95%)

Brightness & Saturation Gradients

These gradients show how the Hex color 22230D 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 22230D by changing the saturation by 10% instead.

■ 22230D

■ 22230D

■ FFFFD

■ 050E00

■ 4F4F38

■ 000000

■ 67674F

■ 808067

■ 9A9A80

■ B5B59A

■ D1D1B5

■ EDEDD1

■ 22230D

■ 22230D

■ 222309

■ 222311

■ 222306

■ 222314

■ 222302

■ 222318

■ 212300

■ 23231B

■ 23231F

■ 232322

■ 232326

■ 232329

■ 23232D

Harmonies

Analogous

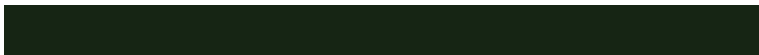
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



2C200C



22230D



162514

Triad

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



22230D



002630



331A26

Complementary

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



22230D



0E0D23

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.



2A1D2F



22230D



0A2435

Square

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



22230D



002728



1D2035



351A1C

Rectangle

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



22230D



0D261A



1D2035



301B29

Sweetspot

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



22230D



2E2E25



230E0D



171712



969696



171717

Same Dimension

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



22230D



2C2E0B



17230D



121210



4E5200



C8D100

Inverse Universe

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



0E0D23



0D0B2E



190D23



101012



040052



0A00D1

Previews

White Background



This preview shows how the Hex color 22230D looks on a white background.

Color Contrast Check

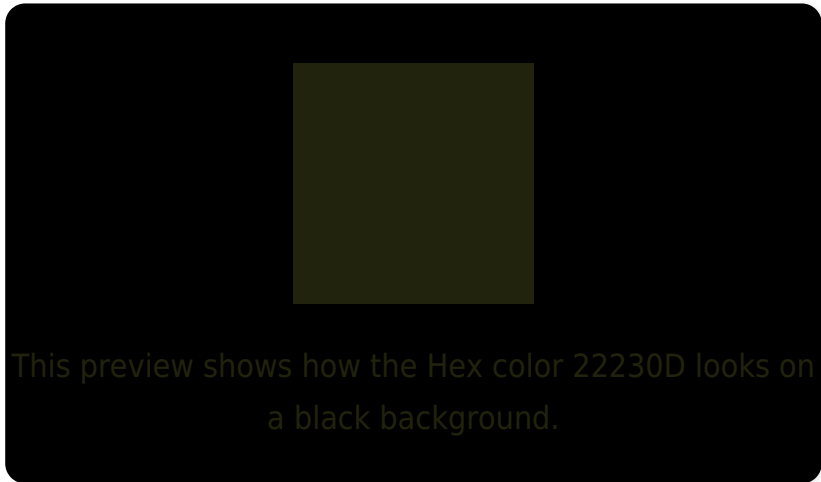
Large Text (above 18pt) WCAG AA ✓ Pass

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

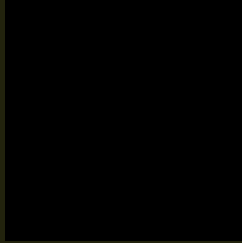
Any Text WCAG AA × Fail

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 22230D Background



This preview shows how black text looks on a background with the Hex color 22230D.

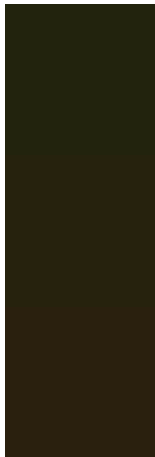


This preview shows how white text looks on a background with the Hex color 22230D.

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
22230D

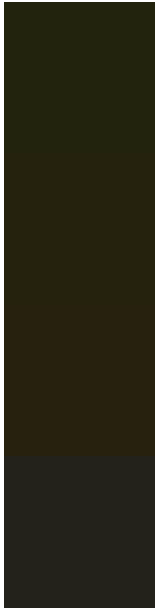
Protanopia
26220D

Deuteranopia
2A200E



Tritanopia
242123

Trichromacy



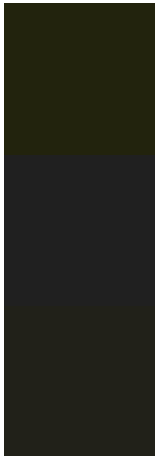
Original Color
22230D

Protanomaly
25220D

Deuteranomaly
27210E

Tritanomaly
23221B

Monochromacy



Original Color
22230D

Achromatopsia
202020

Achromatomaly
212119

CSS Examples

Text

The CSS property to change the color of the text to Hex 22230D 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 #22230D looks like.

```
.text, #text, p{  
    color:#22230D  
}
```

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 #22230D colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #22230D
}
```

Border

The CSS property to change the border of an element to Hex 22230D is called "border". The border property can be set on classes, ids or directly on the HTML element.

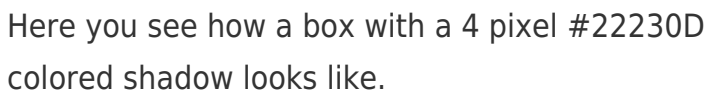
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#22230D }
```

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

```
.border{ border-color:#22230D }
```

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



Here you see how a box with a 4 pixel #22230D colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #22230D; -webkit-box-shadow:4px 4px  
4px 4px #22230D; box-shadow:4px 4px 4px  
4px #22230D }
```

Background

The CSS property to change the background color of an element to Hex 22230D is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#22230D }
```

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

```
.background{ background-color:#22230D }
```

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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