

# Converting Colors

Hex(230E58)

Have a look what the booklet for  
Hex(230E58) contains.

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# Color

**Hex(230E58)**

# Conversions

## Conversions Part 1

Format	Color
Hex	230E58
RGB	35, 14, 88
RGB Percent	14%, 5%, 35%
CMY	0.8627, 0.9451, 0.6549
CMYK	0.60, 0.84, 0.00, 0.65
HSL	257°, 73%, 20%
HSV	257°, 84%, 35%
XYZ	2.6116, 1.3760, 9.3605
YIQ	28.7150, -11.2380, 27.4660

# Conversions

## Conversions Part 2

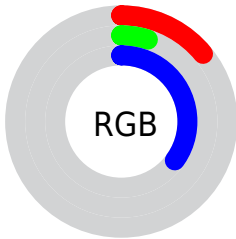
<b>Format</b>	<b>Color</b>
<b>RYB</b>	35, 14, 88
Decimal	2297432
CIELab	11.80, 31.06, -40.34
CIELCh	12, 50.918, 307.596
Yxy	1.3760, 0.1957, 0.1031
Android (android.graphics.Color)	4280487512 (0xFF230E58)
YUV	28.7150, 29.2275, 5.5119
Hunter-Lab	11.7302, 19.2135, -39.1010

# Details

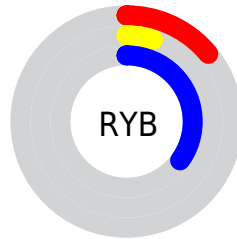
The Hex color **230E58** is a dark color, and the websafe version is hex **330066**. A complement of this color would be **43580E**, and the grayscale version is **1C1C1C**.

A 20% lighter version of the original color is **573B8B**, and **000329** is the 20% darker color. If you saturate the color by 10%, you get **1D0558**, and if you desaturate by 10%, it is **291758**.

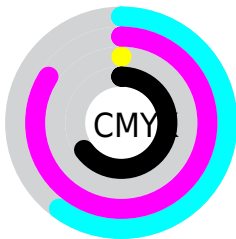
# Distribution



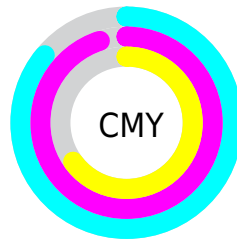
- Red (14%)
- Green (5%)
- Blue (35%)



- Red (14%)
- Yellow (5%)
- Blue (35%)



- Cyan (60%)
- Magenta (84%)
- Yellow (0%)
- Black (65%)



- Cyan (86%)
- Magenta (95%)
- Yellow (65%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 230E58 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 230E58 by changing the saturation by 10% instead.



 230E58


 230E58

 FFF3FF

 0B0040

 573B8B

 000329

 7153A5

 000113

 8C6BC1

 000000

 A785DD

 C39FFA

 E0BAFF

 FDD6FF

 230E58

 230E58

■ 1D0558

■ 291758

■ 190058

■ 302058

■ 362858

■ 3C3158

■ 433A58

■ 494358

■ 4F4C58

■ 555458

■ 5C5D58

# Harmonies

## Analogous

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



002267



230E58



4C003B

# Triad

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



230E58



3C1200



002D27

# Complementary

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



230E58



43580E

# 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.



002C00



230E58



202100

# Square

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



230E58



500000



002800



002D4A

# Rectangle

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



230E58



560024



002800



002D1B



# Sweetspot

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



230E58



5E5673



0E4358



2E293B



BABABA



3B3B3B



# Same Dimension

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



230E58



210073



480E58



28272B



1E006B



4300EB



# Inverse Universe

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



580E43



730052



1E580E



2B272A



6B004D

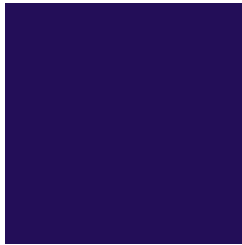


EB00A8



# Previews

## White Background



This preview shows how the Hex color 230E58 looks on a white background.

## Color Contrast Check

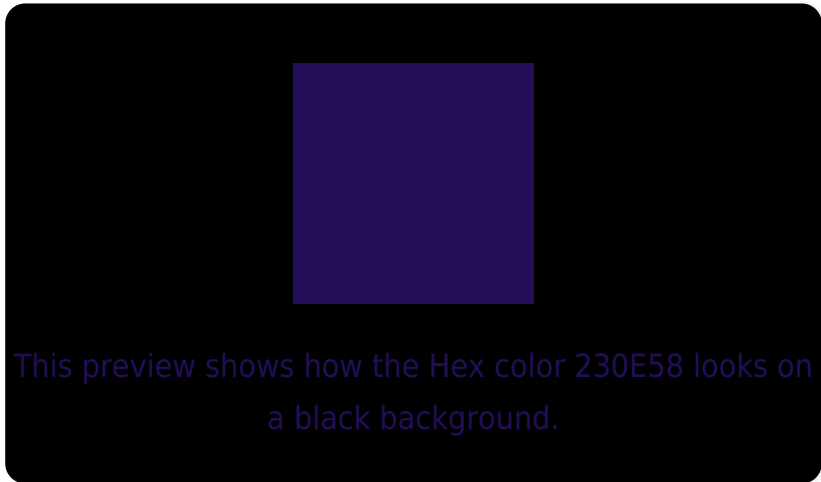
Large Text (above 18pt) WCAG AA ✓ Pass

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

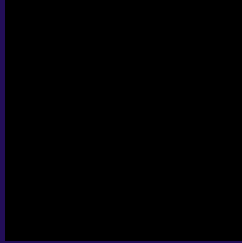
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 230E58 Background



This preview shows how black text looks on a background with the Hex color 230E58.



This preview shows how white text looks on a background with the Hex color 230E58.

# 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**  
230E58

**Protanopia**  
002042

**Deuteranopia**  
002239



**Tritanopia**  
0B2427

# Trichromacy



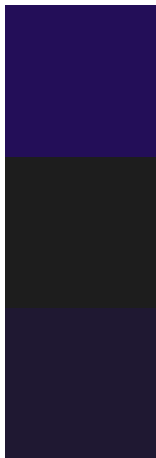
**Original Color**  
230E58

**Protanomaly**  
0D194A

**Deuteranomaly**  
0D1B44

**Tritanomaly**  
141C39

# Monochromacy



**Original Color**  
230E58

**Achromatopsia**  
1D1D1D

**Achromatomaly**  
1F1832

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 230E58 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 #230E58 looks like.

```
.text, #text, p{  
    color:#230E58  
}
```

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 #230E58 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #230E58
}
```

## Border

The CSS property to change the border of an element to Hex 230E58 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".

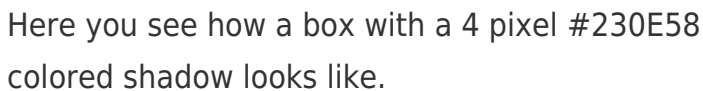
```
.border, #border, table{ border:4px solid
#230E58 }
```

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

```
.border{ border-color:#230E58 }
```

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

Here you see how a box with a 4 pixel #230E58 colored shadow looks like.

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

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #230E58; -webkit-box-shadow:4px 4px  
4px 4px #230E58; box-shadow:4px 4px 4px  
4px #230E58 }
```

# Background

The CSS property to change the background color of an element to Hex 230E58 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#230E58 }
```

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

```
.background{ background-color:#230E58 }
```

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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