

# Converting Colors

Hex(230C40)

Have a look what the booklet for  
Hex(230C40) contains.

<b>Hex(230C40)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	23
<b><i>Color Blindness Simulation</i></b> .....	26
<b><i>CSS Examples</i></b> .....	28

# Color

Hex(230C40)

# Conversions

## Conversions Part 1

Format	Color
Hex	230C40
RGB	35, 12, 64
RGB Percent	14%, 5%, 25%
CMY	0.8627, 0.9529, 0.7490
CMYK	0.45, 0.81, 0.00, 0.75
HSL	267°, 68%, 15%
HSV	267°, 81%, 25%
XYZ	1.7500, 0.9904, 4.9494
YIQ	24.8050, -2.9840, 21.0480

# Conversions

## Conversions Part 2

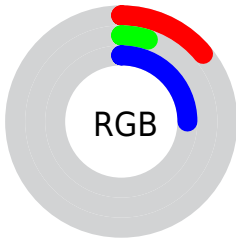
<b>Format</b>	<b>Color</b>
<b>RYB</b>	35, 12, 64
Decimal	2296896
CIELab	8.91, 24.65, -28.43
CIElCh	9, 37.627, 310.933
Yxy	0.9904, 0.2276, 0.1288
Android (android.graphics.Color)	4280486976 (0xFF230C40)
YUV	24.8050, 19.3231, 8.9410
Hunter-Lab	9.9521, 13.9723, -22.5201




# Details

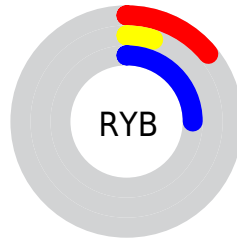
The Hex color **230C40** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **29400C**, and the grayscale version is **191919**.




A 20% lighter version of the original color is **533870**, and **000114** is the 20% darker color. If you saturate the color by 10%, you get **1F0640**, and if you desaturate by 10%, it is **271240**.

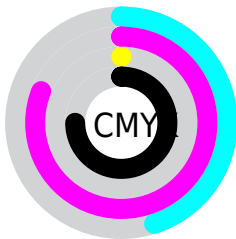
# Distribution







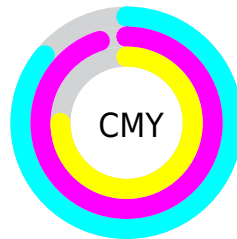
-  Red (14%)
-  Green (5%)
-  Blue (25%)






-  Red (14%)
-  Yellow (5%)
-  Blue (25%)



-  Cyan (45%)
-  Magenta (81%)
-  Yellow (0%)
-  Black (75%)



-  Cyan (86%)
-  Magenta (95%)
-  Yellow (75%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 230C40 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 230C40 by changing the saturation by 10% instead.



 230C40

 230C40

 FFEEFF

 10002A

 533870

 000114

 6C4F8A

 000000

 8667A5

 A181C0

 BC9BDC

 D8B6F8

 F5D1FF

 230C40

 230C40

■ 1F0640

■ 271240

■ 1C0040

■ 2A1940

■ 2E1F40

■ 312640

■ 352C40

■ 383240

■ 3C3940

■ 403F40

■ 434640

# Harmonies

## Analogous

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



001A4C



230C40



3C002A

# Triad

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



230C40



2E1200



002622

# Complementary

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



230C40



29400C

# 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.



002401



230C40



191B00

# Square

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



230C40



3D0000



002100



00243A

# Rectangle

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



230C40



42001A



002100



002519



# Sweetspot

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



230C40



494054



0C2940



241F2B



ABABAB



2B2B2B



# Same Dimension

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



230C40



260254



3D0C40



1F1E21



2B0061



6300E0



# Inverse Universe

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



400C29



540230



0F400C



211E20



610036

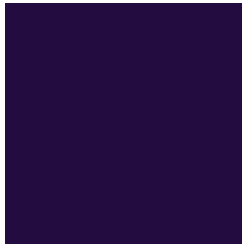


E0007D



# Previews

## White Background



This preview shows how the Hex color 230C40 looks on a white background.

## Color Contrast Check

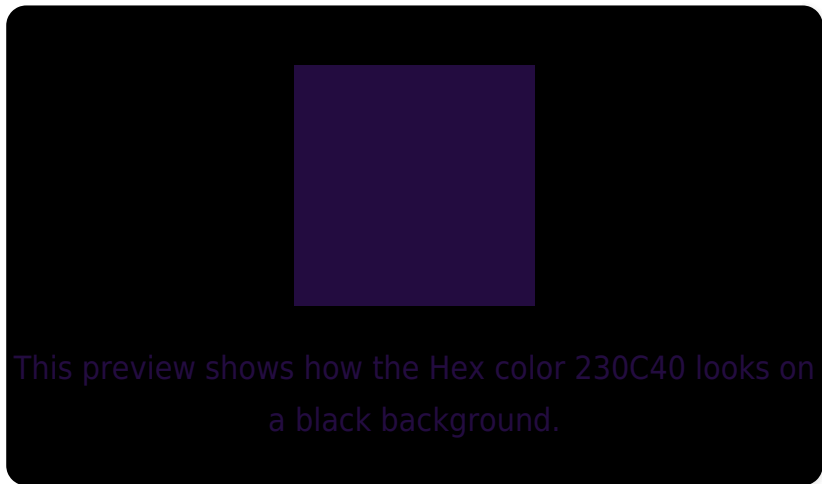
Large Text (above 18pt) WCAG AA ✓ Pass

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

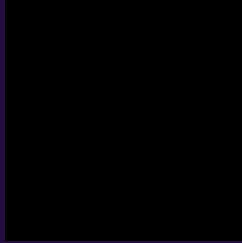
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 230C40 Background



This preview shows how black text looks on a background with the Hex color 230C40.



This preview shows how white text looks on a background with the Hex color 230C40.

# 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**  
230C40

**Protanopia**  
001A37

**Tritanopia**  
1A1B1D

# Trichromacy

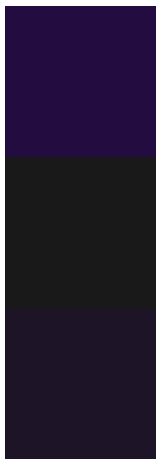


**Original Color**  
230C40

**Protanomaly**  
0D153A

**Tritanomaly**  
1D162A

# Monochromacy



**Original Color**  
230C40

**Achromatopsia**  
191919

**Achromatomaly**  
1D1427

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 230C40 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 #230C40 looks like.

```
.text, #text, p{  
    color:#230C40  
}
```

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 #230C40 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #230C40
}
```

## Border

The CSS property to change the border of an element to Hex 230C40 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
#230C40 }
```

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

```
.border{ border-color:#230C40 }
```

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

Here you see how a box with a 4 pixel #230C40 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #230C40; -webkit-box-shadow:4px 4px  
4px 4px #230C40; box-shadow:4px 4px 4px  
4px #230C40 }
```

# Background

The CSS property to change the background color of an element to Hex 230C40 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#230C40 }
```

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

```
.background{ background-color:#230C40 }
```

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](#).

# Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**



**Follow me  
on Twitter!**

@ConvertingColor