

# Converting Colors

Hex(240E73)

Have a look what the booklet for  
Hex(240E73) contains.

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# Color

**Hex(240E73)**

# Conversions

## Conversions Part 1

Format	Color
Hex	240E73
RGB	36, 14, 115
RGB Percent	14%, 5%, 45%
CMY	0.8588, 0.9451, 0.5490
CMYK	0.69, 0.88, 0.00, 0.55
HSL	253°, 78%, 25%
HSV	253°, 88%, 45%
XYZ	3.9791, 1.9269, 16.3819
YIQ	32.0920, -19.3090, 36.0750

# Conversions

## Conversions Part 2

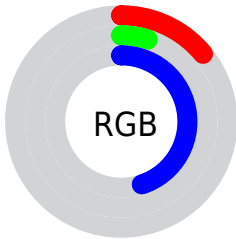
<b>Format</b>	<b>Color</b>
<b>R<sub>Y</sub>B</b>	36, 14, 115
Decimal	2362995
CIE Lab	15.10, 39.57, -52.75
CIE LCh	15, 65.943, 306.871
Yxy	1.9269, 0.1785, 0.0865
Android (android.graphics.Color)	4280553075 (0xFF240E73)
YUV	32.0920, 40.8736, 3.4273
Hunter-Lab	13.8815, 26.8743, -60.2527




# Details

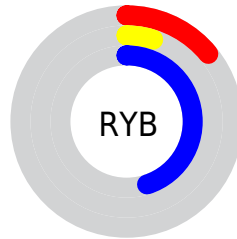
The Hex color **240E73** is a dark color, and the websafe version is hex **000066**. A complement of this color would be **5D730E**, and the grayscale version is **202020**.




A 20% lighter version of the original color is **5E3DA8**, and **000042** is the 20% darker color. If you saturate the color by 10%, you get **1B0273**, and if you desaturate by 10%, it is **2D1973**.

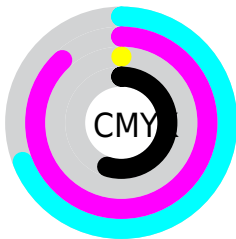
# Distribution







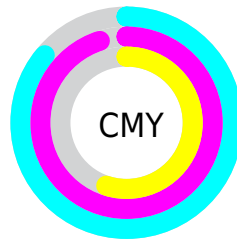
-  Red (14%)
-  Green (5%)
-  Blue (45%)






-  Red (14%)
-  Yellow (5%)
-  Blue (45%)



-  Cyan (69%)
-  Magenta (88%)
-  Yellow (0%)
-  Black (55%)



-  Cyan (86%)
-  Magenta (95%)
-  Yellow (55%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 240E73 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 240E73 by changing the saturation by 10% instead.



 240E73

 240E73

 FFF7FF

 00005A

 5E3DA8

 000042

 7955C4

 00032A

 956EE0

 000115

 B188FD

 000000

 CEA3FF

 EBBEFF

 FFDAFF

 240E73

 240E73

■ 1B0273

■ 2D1973

■ 190073

■ 362573

■ 3F3073

■ 483C73

■ 514873

■ 5A5373

■ 635E73

■ 6C6A73

■ 757673

# Harmonies

## Analogous

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



002B86



240E73



60004C

# Triad

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



240E73



4B1200



003630

# Complementary

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



240E73



5D730E

# 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.



003500



240E73



272800

# Square

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



240E73



650000



003000



00375E

# Rectangle

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



240E73



6E002D



003000



003620



# Sweetspot

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



240E73



786F96



0E5D73



3A354D



CCCCCC



4D4D4D



# Same Dimension

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



240E73



210096



560E73



36353B



1B007A



3600FA



# Inverse Universe

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



730E5D



960076



2B730E



3B3539



7A0060

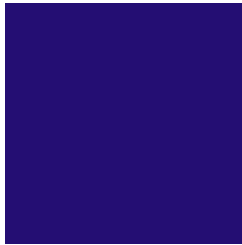


FA00C3



# Previews

## White Background



This preview shows how the Hex color 240E73 looks on a white background.

## Color Contrast Check

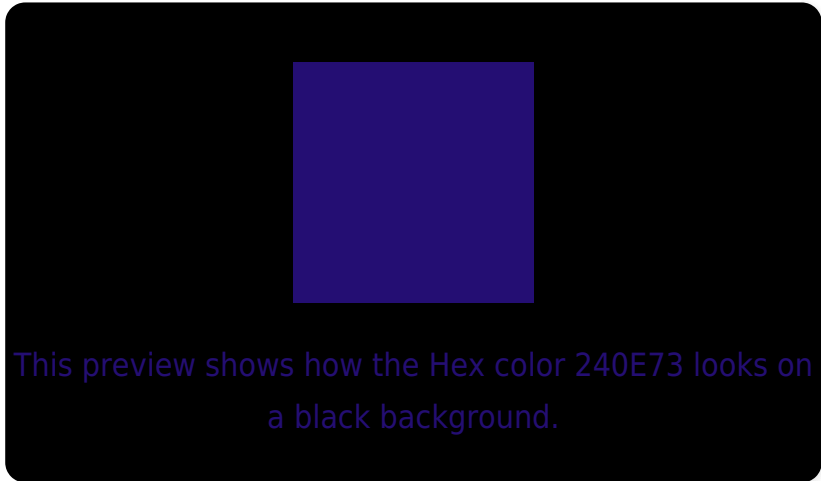
Large Text (above 18pt) WCAG AA ✓ Pass

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

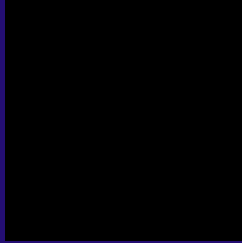
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 240E73 Background



This preview shows how black text looks on a background with the Hex color 240E73.



This preview shows how white text looks on a background with the Hex color 240E73.

# 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**  
240E73

**Protanopia**  
002650

**Deuteranopia**  
002944



# Trichromacy



**Original Color**  
240E73

**Protanomaly**  
0D1D5D

**Deuteranomaly**  
0D1F55

**Tritanomaly**  
0D2148

# Monochromacy



**Original Color**  
240E73

**Achromatopsia**  
202020

**Achromatomaly**  
21193E

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 240E73 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 #240E73 looks like.

```
.text, #text, p{  
    color:#240E73  
}
```

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 #240E73 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #240E73  
}
```

## Border

The CSS property to change the border of an element to Hex 240E73 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  
#240E73 }
```

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

```
.border{ border-color:#240E73 }
```

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

Here you see how a box with a 4 pixel #240E73 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #240E73; -webkit-box-shadow:4px 4px  
4px 4px #240E73; box-shadow:4px 4px 4px  
4px #240E73 }
```

# Background

The CSS property to change the background color of an element to Hex 240E73 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#240E73 }
```

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

```
.background{ background-color:#240E73 }
```

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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