

# Converting Colors

Hex(225E7B)

Have a look what the booklet for  
Hex(225E7B) contains.

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# Color

Hex(225E7B)

# Conversions

## Conversions Part 1

Format	Color
Hex	225E7B
RGB	34, 94, 123
RGB Percent	13%, 37%, 48%
CMY	0.8667, 0.6314, 0.5176
CMYK	0.72, 0.24, 0.00, 0.52
HSL	200°, 57%, 31%
HSV	200°, 72%, 48%
XYZ	8.2375, 9.7755, 20.1916
YIQ	79.3660, -45.0690, -3.7010

# Conversions

## Conversions Part 2

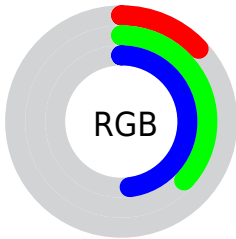
Format	Color
<b>RYB</b>	<b>34, 70, 123</b>
Decimal	2252411
CIELab	37.44, -9.06, -21.92
CIELCh	37, 23.718, 247.544
Yxy	9.7755, 0.2156, 0.2559
Android (android.graphics.Color)	4280442491 (0xFF225E7B)
YUV	79.3660, 21.5116, -39.7860
Hunter-Lab	31.2659, -7.6863, -16.4035

# Details

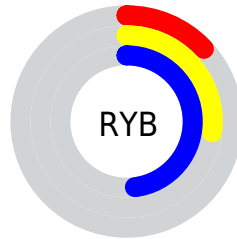
The Hex color **225E7B** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **7B3F22**, and the grayscale version is **4F4F4F**.

A 20% lighter version of the original color is **5B90B0**, and **00304A** is the 20% darker color. If you saturate the color by 10%, you get **165A7B**, and if you desaturate by 10%, it is **2E627B**.

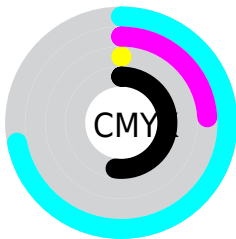
# Distribution



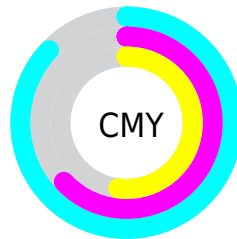
- Red (13%)
- Green (37%)
- Blue (48%)



- Red (13%)
- Yellow (27%)
- Blue (48%)



- Cyan (72%)
- Magenta (24%)
- Yellow (0%)
- Black (52%)



- Cyan (87%)
- Magenta (63%)
- Yellow (52%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 225E7B 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 225E7B by changing the saturation by 10% instead.



■ 225E7B

■ 225E7B

FFFFFF

■ 004662

■ 5B90B0

■ 00304A

■ 76ABCB

■ 001C33

■ 91C6E7

■ 00021E

■ ADE2FF

■ 000001

■ CAFFFF

■ 000000

■ E6FFFF

■ 225E7B

■ 225E7B

■ 165A7B

■ 2E627B

■ 09567B

■ 3B667B

■ 00537B

■ 476A7B

■ 536E7B

■ 60727B

■ 6C767B

■ 787A7B

■ 847E7B

■ 91827B

# Harmonies

## Analogous

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



03616F



225E7B



44587E

# Triad

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



225E7B



7D4954



4B5E39

# Complementary

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



225E7B



7B3F22

# 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.



605932



225E7B



7B4C42

# Square

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



225E7B



744B67



715235



346149

# Rectangle

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



225E7B



58547A



715235



535C35



# Sweetspot

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



225E7B



7D95A1



227B3E



3C4B52



D1D1D1



525252



# Same Dimension

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



225E7B



1573A1



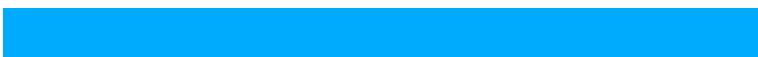
22327B



373B3D



00547D



00AAFC



# Inverse Universe

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



7B225E



A11573



7B6B22



3D373B



7D0054



FC00AA



# Previews

## White Background



This preview shows how the Hex color 225E7B looks on a white background.

## Color Contrast Check

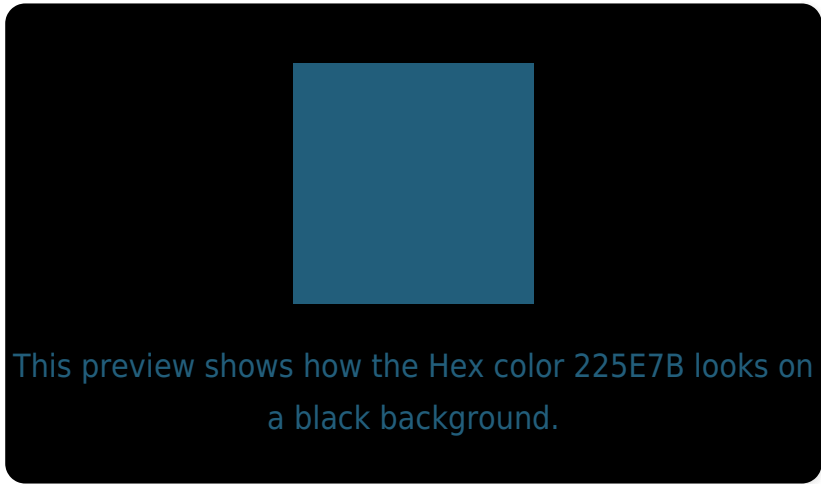
Large Text (above 18pt) WCAG AA ✓ Pass

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

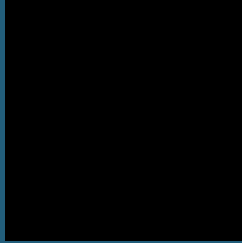
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 225E7B Background



This preview shows how black text looks on a background with the Hex color 225E7B.



This preview shows how white text looks on a background with the Hex color 225E7B.

# 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





**Tritanopia**  
136169

# Trichromacy



**Original Color**  
225E7B

**Protanomaly**  
3F5A77

**Deuteranomaly**  
3B5A7C

**Tritanomaly**  
186070

# Monochromacy



**Original Color**  
225E7B

**Achromatopsia**  
4F4F4F

**Achromatomaly**  
3F545F

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 225E7B 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 #225E7B looks like.

```
.text, #text, p{  
    color:#225E7B  
}
```

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 #225E7B colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #225E7B
}
```

## Border

The CSS property to change the border of an element to Hex 225E7B 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
#225E7B }
```

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

```
.border{ border-color:#225E7B }
```

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

Here you see how a box with a 4 pixel #225E7B colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #225E7B; -webkit-box-shadow:4px 4px  
4px 4px #225E7B; box-shadow:4px 4px 4px  
4px #225E7B }
```

# Background

The CSS property to change the background color of an element to Hex 225E7B is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#225E7B }
```

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

```
.background{ background-color:#225E7B }
```

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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