

Converting Colors

Hex(245B7A)

Have a look what the booklet for
Hex(245B7A) contains.

Hex(245B7A)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

Hex(245B7A)

Conversions

Conversions Part 1

Format	Color
Hex	245B7A
RGB	36, 91, 122
RGB Percent	14%, 36%, 48%
CMY	0.8588, 0.6431, 0.5216
CMYK	0.70, 0.25, 0.00, 0.52
HSL	202°, 54%, 31%
HSV	202°, 70%, 48%
XYZ	7.9815, 9.2624, 19.7795
YIQ	78.0890, -42.7310, -2.0190

Conversions

Conversions Part 2

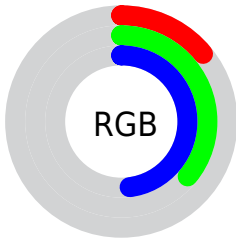
Format	Color
R_{YB}	36, 70, 122
Decimal	2382714
CIE _{Lab}	36.48, -7.27, -22.78
CIE _{LCh}	36, 23.912, 252.292
Yxy	9.2624, 0.2156, 0.2502
Android (android.graphics.Color)	4280572794 (0xFF245B7A)
YUV	78.0890, 21.6481, -36.9121
Hunter-Lab	30.4342, -6.4474, -17.2293

Details

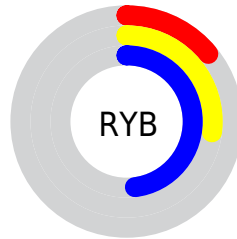
The Hex color **245B7A** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **7A4324**, and the grayscale version is **4E4E4E**.

A 20% lighter version of the original color is **5C8DAF**, and **002D49** is the 20% darker color. If you saturate the color by 10%, you get **18577A**, and if you desaturate by 10%, it is **305F7A**.

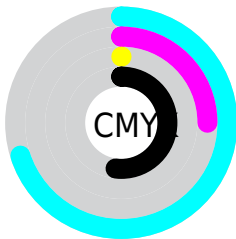
Distribution



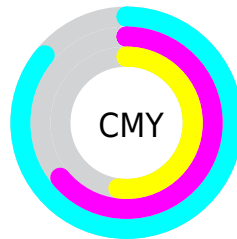
- Red (14%)
- Green (36%)
- Blue (48%)



- Red (14%)
- Yellow (27%)
- Blue (48%)



- Cyan (70%)
- Magenta (25%)
- Yellow (0%)
- Black (52%)



- Cyan (86%)
- Magenta (64%)
- Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the Hex color 245B7A 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 245B7A by changing the saturation by 10% instead.



245B7A



245B7A

FFFFFF



004461



5C8DAF



002D49



77A7CA



001932



92C3E6



00021D



AEDFFF



000000



CAF8FF



E7FFFF



245B7A



245B7A



18577A



305F7A

■ 0C527A

■ 3C647A

■ 004E7A

■ 49687A

■ 556D7A

■ 61717A

■ 6D757A

■ 797A7A

■ 867E7A

■ 92837A

Harmonies

Analogous

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



005F6F



245B7A



47557B

Triad

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



245B7A



7B474F



455C39

Complementary

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



245B7A



7A4324

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.



5B5730



245B7A



784A3D

Square

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



245B7A



744862



6C5131



2D5F4A

Rectangle

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



245B7A



5A5076



6C5131



4D5B35

Sweetspot

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



245B7A



7D929E



247A42



3B484F



CFCFCF



4F4F4F

Same Dimension

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



245B7A



186E9E



24317A



373B3D



00507D



00A1FC

Inverse Universe

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



7A245B



9E186E



7A6D24



3D373B



7D0050



FC00A1

Previews

White Background



This preview shows how the Hex color 245B7A looks on a white background.

Color Contrast Check

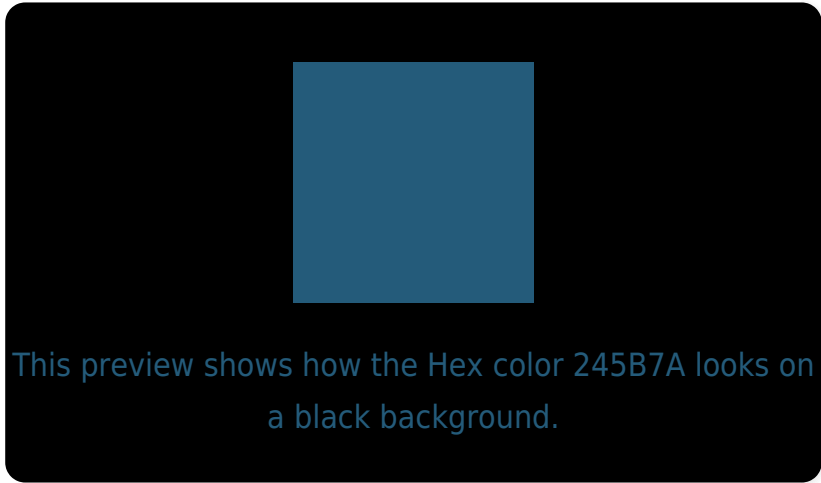
Large Text (above 18pt) WCAG AA ✓ Pass

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

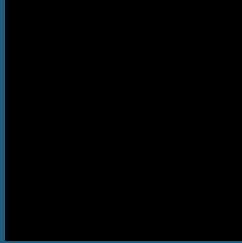
Any Text WCAG AA × Fail

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 245B7A Background



This preview shows how black text looks on a background with the Hex color 245B7A.



This preview shows how white text looks on a background with the Hex color 245B7A.

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
245B7A

Protanopia
4C5475

Deuteranopia
47557B



Tritanopia
155F66

Trichromacy



Original Color
245B7A

Protanomaly
3D5777

Deuteranomaly
3A577B

Tritanomaly
1A5E6D

Monochromacy



Original Color
245B7A

Achromatopsia
4E4E4E

Achromatomaly
3F535E

CSS Examples

Text

The CSS property to change the color of the text to Hex 245B7A 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 #245B7A looks like.

```
.text, #text, p{  
    color:#245B7A  
}
```

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 #245B7A colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #245B7A
}
```

Border

The CSS property to change the border of an element to Hex 245B7A 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
#245B7A }
```

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

```
.border{ border-color:#245B7A }
```

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

Here you see how a box with a 4 pixel #245B7A colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #245B7A; -webkit-box-shadow:4px 4px  
4px 4px #245B7A; box-shadow:4px 4px 4px  
4px #245B7A }
```

Background

The CSS property to change the background color of an element to Hex 245B7A is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#245B7A }
```

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

```
.background{ background-color:#245B7A }
```

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