

Converting Colors

Hex(02247B)

Have a look what the booklet for
Hex(02247B) contains.

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Color

Hex(02247B)

Conversions

Conversions Part 1

Format	Color
Hex	02247B
RGB	2, 36, 123
RGB Percent	1%, 14%, 48%
CMY	0.9922, 0.8588, 0.5176
CMYK	0.98, 0.71, 0.00, 0.52
HSL	223°, 97%, 25%
HSV	223°, 98%, 48%
XYZ	4.2311, 2.7047, 19.0380
YIQ	35.7520, -48.1910, 19.8490

Conversions

Conversions Part 2

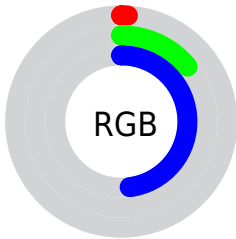
Format	Color
R_{YB}	2, 29, 123
Decimal	140411
CIE _{Lab}	18.82, 27.12, -51.80
CIE _{LCh}	19, 58.470, 297.631
Yxy	2.7047, 0.1629, 0.1041
Android (android.graphics.Color)	4278330491 (0xFF02247B)
YUV	35.7520, 43.0133, -29.6005
Hunter-Lab	16.4460, 17.1421, -57.1220

Details

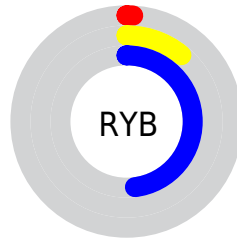
The Hex color **02247B** is a dark color, and the websafe version is hex **003399**. A complement of this color would be **7B5902**, and the grayscale version is **232323**.

A 20% lighter version of the original color is **4E50B0**, and **000049** is the 20% darker color. If you saturate the color by 10%, you get **00237B**, and if you desaturate by 10%, it is **0E2D7B**.

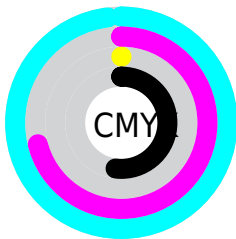
Distribution



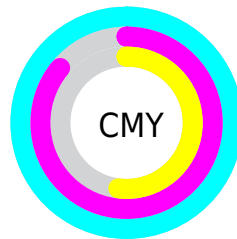
- Red (1%)
- Green (14%)
- Blue (48%)



- Red (1%)
- Yellow (11%)
- Blue (48%)



- Cyan (98%)
- Magenta (71%)
- Yellow (0%)
- Black (52%)



- Cyan (99%)
- Magenta (86%)
- Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the Hex color 02247B 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 02247B by changing the saturation by 10% instead.

■ 02247B

■ 02247B

FFFFFF

■ 001061

■ 4E50B0

■ 000049

■ 6A69CC

■ 000431

■ 8682E9

■ 00011C

■ A39CFF

■ 000000

■ BFB7FF

■ DDD2FF

■ FAEEFF

■ 02247B

■ 02247B

■ 00237B

■ 0E2D7B

■ 1B367B

■ 273F7B

■ 33477B

■ 40507B

■ 4C597B

■ 58627B

■ 646B7B

■ 71747B

Harmonies

Analogous

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



003685



02247B



5A005C

Triad

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



02247B



5B1400



003D29

Complementary

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



02247B



7B5902

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.



003B00



02247B



3C2B00

Square

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



02247B



6F0006



0E3600



003E55

Rectangle

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



02247B



6D0041



0E3600



003C1A

Sweetspot

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



02247B



707EA1



027B59



343C52



D1D1D1



525252

Same Dimension

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



02247B



002DA1



1C027B



37393D



00237D



0047FC

Inverse Universe

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



7B0224



A1002D



617B02



3D3739



7D0023



FC0047

Previews

White Background



This preview shows how the Hex color 02247B looks on a white background.

Color Contrast Check

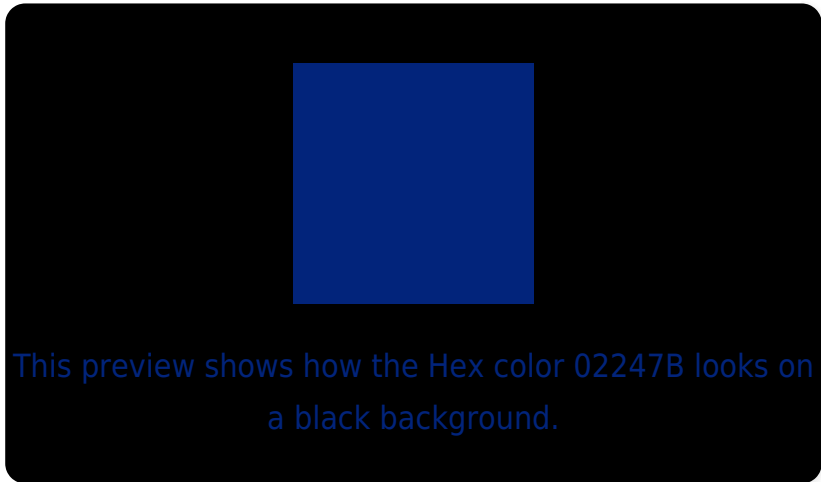
Large Text (above 18pt) WCAG AA ✓ Pass

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

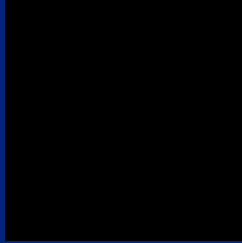
Any Text WCAG AA × Fail

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 02247B Background



This preview shows how black text looks on a background with the Hex color 02247B.



This preview shows how white text looks on a background with the Hex color 02247B.

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

02247B

Protanopia

002D5F

Deuteranopia

003051

Trichromacy



Original Color
02247B

Protanomaly
012A69

Deuteranomaly
012C60

Tritanomaly
012E50

Monochromacy



Original Color
02247B

Achromatopsia
242424

Achromatomaly
182444

CSS Examples

Text

The CSS property to change the color of the text to Hex 02247B 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 #02247B looks like.

```
.text, #text, p{  
    color:#02247B  
}
```

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 #02247B colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #02247B
}
```

Border

The CSS property to change the border of an element to Hex 02247B 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
#02247B }
```

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

```
.border{ border-color:#02247B }
```

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

Here you see how a box with a 4 pixel #02247B colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #02247B; -webkit-box-shadow:4px 4px  
4px 4px #02247B; box-shadow:4px 4px 4px  
4px #02247B }
```

Background

The CSS property to change the background color of an element to Hex 02247B is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#02247B }
```

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

```
.background{ background-color:#02247B }
```

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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