

Converting Colors

Hex(23004D)

Have a look what the booklet for
Hex(23004D) contains.

Hex(23004D)	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(23004D)

Conversions

Conversions Part 1

Format	Color
Hex	23004D
RGB	35, 0, 77
RGB Percent	14%, 0%, 30%
CMY	0.8627, 1.0000, 0.6980
CMYK	0.55, 1.00, 0.00, 0.70
HSL	267°, 100%, 15%
HSV	267°, 100%, 30%
XYZ	2.0327, 0.8931, 7.0864
YIQ	19.2430, -3.8570, 31.3670

Conversions

Conversions Part 2

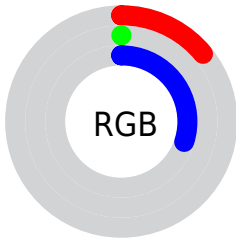
Format	Color
RYB	35, 0, 77
Decimal	2293837
CIELab	8.07, 35.05, -38.95
CIELCh	8, 52.399, 311.979
Yxy	0.8931, 0.2030, 0.0892
Android (android.graphics.Color)	4280483917 (0xFF23004D)
YUV	19.2430, 28.4742, 13.8189
Hunter-Lab	9.4506, 21.8540, -37.8424

Details

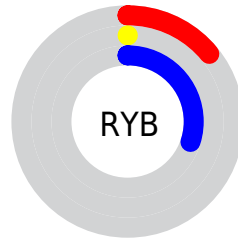
The Hex color **23004D** is a dark color, and the websafe version is hex **330066**. A complement of this color would be **2A4D00**, and the grayscale version is **131313**.

A 20% lighter version of the original color is **562E7F**, and **00021F** is the 20% darker color. If you saturate the color by 10%, you get **23004D**, and if you desaturate by 10%, it is **27084D**.

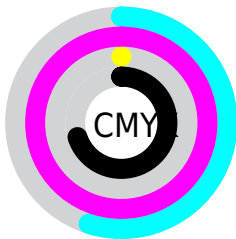
Distribution



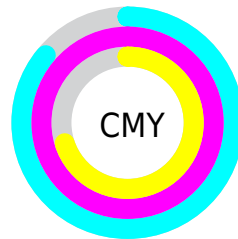
- Red (14%)
- Green (0%)
- Blue (30%)



- Red (14%)
- Yellow (0%)
- Blue (30%)



- Cyan (55%)
- Magenta (100%)
- Yellow (0%)
- Black (70%)



- Cyan (86%)
- Magenta (100%)
- Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the Hex color 23004D 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 23004D by changing the saturation by 10% instead.

 23004D

 23004D

 FFE5FF

 0D0036

 562E7F

 00021F

 704699

 000003

 8B5EB4

 000000

 A678D0

 C292ED

 DFADFF

 FCC8FF

 23004D

■ 27084D

■ 2B0F4D

■ 30174D

■ 341F4D

■ 38274D

■ 3C2E4D

■ 40364D

■ 453E4D

■ 49454D

Harmonies

Analogous

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



001A5F



23004D



47002E

Triad

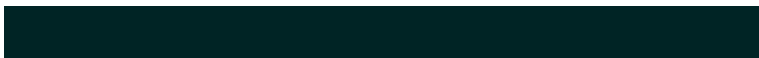
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



23004D



2F0D00



002425

Complementary

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



23004D



2A4D00

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.



002300



23004D



101B00

Square

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



23004D



440000



002300



002647

Rectangle

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



23004D



4E0017



002300



002319

Sweetspot

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



23004D



534663



002A4D



292133



B3B3B3



333333

Same Dimension

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



23004D



2D0063



49004D



242226



2E0066



6800E6

Inverse Universe

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



4D002A



630036



044D00



262225



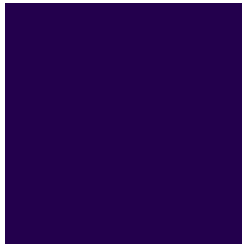
660038



E6007D

Previews

White Background



This preview shows how the Hex color 23004D looks on a white background.

Color Contrast Check

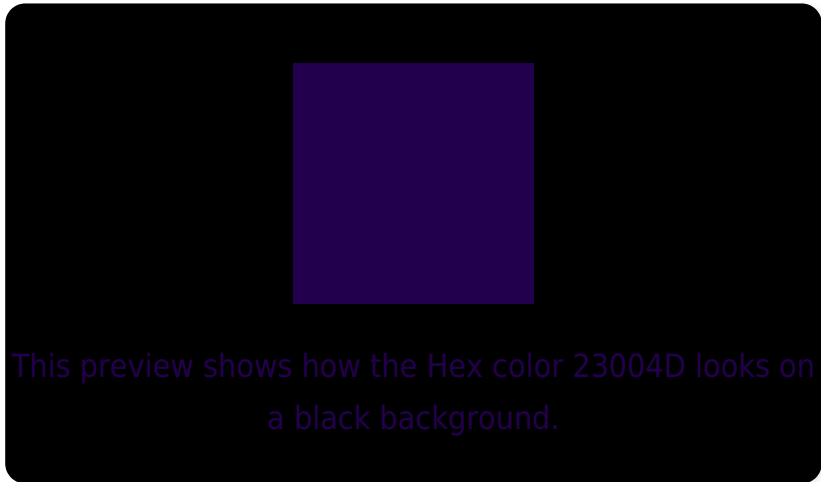
Large Text (above 18pt) WCAG AA ✓ Pass

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

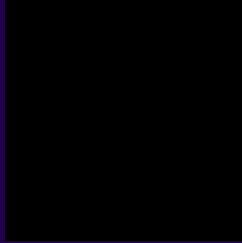
Any Text WCAG AA × Fail

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 23004D Background



This preview shows how black text looks on a background with the Hex color 23004D.



This preview shows how white text looks on a background with the Hex color 23004D.

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
23004D

Protanopia
001B3A

Deuteranopia
001D31



Tritanopia
141E20

Trichromacy



Original Color
23004D

Protanomaly
0D1141

Deuteranomaly
0D123B

Tritanomaly
191330

Monochromacy



Original Color
23004D

Achromatopsia
131313

Achromatomaly
190C28

CSS Examples

Text

The CSS property to change the color of the text to Hex 23004D 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 #23004D looks like.

```
.text, #text, p{  
    color:#23004D  
}
```

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 #23004D colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #23004D
}
```

Border

The CSS property to change the border of an element to Hex 23004D is called "border". The border property can be set on classes, ids or directly on the HTML element.

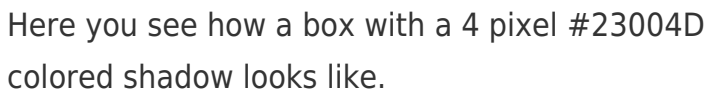
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#23004D }
```

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

```
.border{ border-color:#23004D }
```

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



Here you see how a box with a 4 pixel #23004D colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #23004D; -webkit-box-shadow:4px 4px  
4px 4px #23004D; box-shadow:4px 4px 4px  
4px #23004D }
```

Background

The CSS property to change the background color of an element to Hex 23004D is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#23004D }
```

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

```
.background{ background-color:#23004D }
```

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