

Converting Colors

Hex(004872)

Have a look what the booklet for
Hex(004872) contains.

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Color

Hex(004872)

Conversions

Conversions Part 1

Format	Color
Hex	004872
RGB	0, 72, 114
RGB Percent	0%, 28%, 45%
CMY	1.0000, 0.7176, 0.5529
CMYK	1.00, 0.37, 0.00, 0.55
HSL	202°, 100%, 22%
HSV	202°, 100%, 45%
XYZ	5.3546, 5.8496, 16.7665
YIQ	55.2600, -56.3940, -2.2020

Conversions

Conversions Part 2

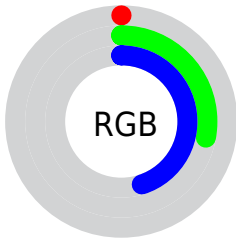
Format	Color
RYB	0, 44, 114
Decimal	18546
CIELab	29.03, -2.42, -29.56
CIELCh	29, 29.660, 265.322
Yxy	5.8496, 0.1914, 0.2091
Android (android.graphics.Color)	4278208626 (0xFF004872)
YUV	55.2600, 28.9588, -48.4630
Hunter-Lab	24.1860, -2.8068, -24.1714

Details

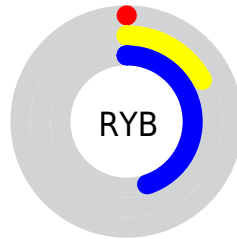
The Hex color **004872** is a dark color, and the websafe version is hex **003366**. A complement of this color would be **722A00**, and the grayscale version is **373737**.

A 20% lighter version of the original color is **4878A6**, and **001D42** is the 20% darker color. If you saturate the color by 10%, you get **004872**, and if you desaturate by 10%, it is **0B4C72**.

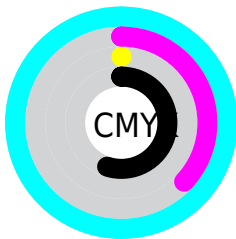
Distribution



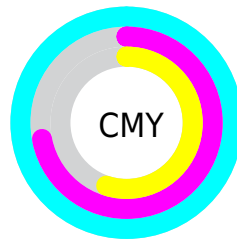
- Red (0%)
- Green (28%)
- Blue (45%)



- Red (0%)
- Yellow (17%)
- Blue (45%)



- Cyan (100%)
- Magenta (37%)
- Yellow (0%)
- Black (55%)



- Cyan (100%)
- Magenta (72%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the Hex color 004872 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 004872 by changing the saturation by 10% instead.

004872

004872

FFFFFF

003259

4878A6

001D42

6492C1

00032B

7FACDD

000116

9BC8FA

000000

B7E4FF

D4FFFF

F1FFFF

004872

■ 0B4C72

■ 175072

■ 225572

■ 2E5972

■ 395D72

■ 446172

■ 506572

■ 5B6A72

■ 676E72

Harmonies

Analogous

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



004D6A



004872



40406E

Triad

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



004872



6E3232



214D29

Complementary

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



004872



722A00

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.



3E4919



004872



65391F

Square

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



004872



6C3149



544215



005040

Rectangle

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



004872



553A65



544215



2C4C23

Sweetspot

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



004872



688494



00722A



2F404A



C9C9C9



4A4A4A

Same Dimension

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



004872



005D94



000F72



323638



004C78



009CF7

Inverse Universe

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



720048



94005D



726300



383236



78004C



F7009C

Previews

White Background



This preview shows how the Hex color 004872 looks on a white background.

Color Contrast Check

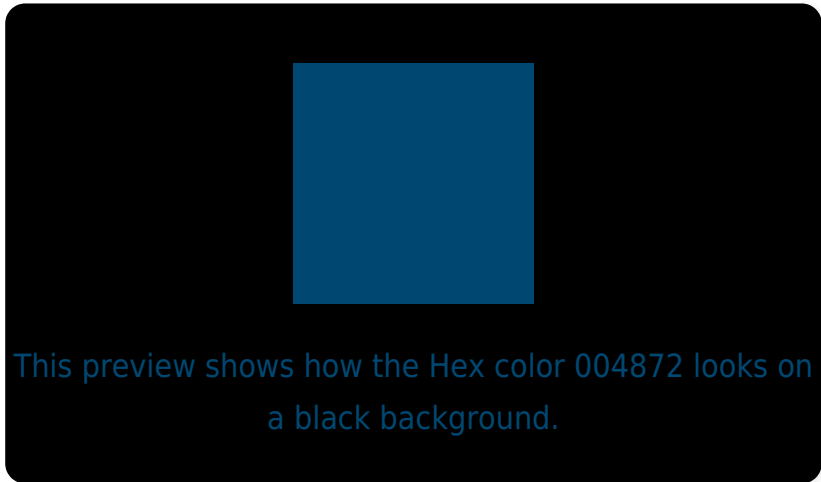
Large Text (above 18pt) WCAG AA ✓ Pass

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 004872 Background



This preview shows how black text looks on a background with the Hex color 004872.



This preview shows how white text looks on a background with the Hex color 004872.

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
004872

Protanopia
35436E

Deuteranopia
264573



Tritanopia
004D52

Trichromacy



Original Color
004872

Protanomaly
22456F

Deuteranomaly
184673

Tritanomaly
004B5E

Monochromacy



Original Color
004872

Achromatopsia
373737

Achromatomaly
233D4C

CSS Examples

Text

The CSS property to change the color of the text to Hex 004872 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 #004872 looks like.

```
.text, #text, p{  
  color:#004872  
}
```

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 #004872 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #004872
}
```

Border

The CSS property to change the border of an element to Hex 004872 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
#004872 }
```

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

```
.border{ border-color:#004872 }
```

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

Here you see how a box with a 4 pixel #004872 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #004872; -webkit-box-shadow:4px 4px  
4px 4px #004872; box-shadow:4px 4px 4px  
4px #004872 }
```

Background

The CSS property to change the background color of an element to Hex 004872 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#004872 }
```

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

```
.background{ background-color:#004872 }
```

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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