

Converting Colors

Hex(002A55)

Have a look what the booklet for
Hex(002A55) contains.

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Color

Hex(002A55)

Conversions

Conversions Part 1

Format	Color
Hex	002A55
RGB	0, 42, 85
RGB Percent	0%, 16%, 33%
CMY	1.0000, 0.8353, 0.6667
CMYK	1.00, 0.51, 0.00, 0.67
HSL	210°, 100%, 17%
HSV	210°, 100%, 33%
XYZ	2.4677, 2.3118, 8.9105
YIQ	34.3440, -38.8350, 4.4690

Conversions

Conversions Part 2

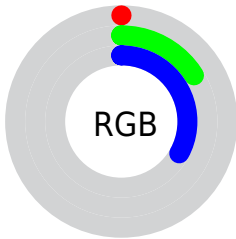
Format	Color
RYB	0, 28, 85
Decimal	10837
CIELab	17.05, 5.62, -29.86
CIELCh	17, 30.381, 280.655
Yxy	2.3118, 0.1803, 0.1689
Android (android.graphics.Color)	4278200917 (0xFF002A55)
YUV	34.3440, 24.9734, -30.1197
Hunter-Lab	15.2046, 2.3618, -24.1030

Details

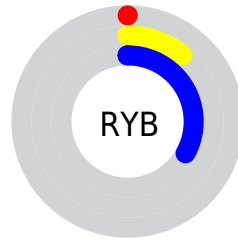
The Hex color **002A55** is a dark color, and the websafe version is hex **003366**. A complement of this color would be **552B00**, and the grayscale version is **222222**.

A 20% lighter version of the original color is **3E5787**, and **000327** is the 20% darker color. If you saturate the color by 10%, you get **002A55**, and if you desaturate by 10%, it is **082E55**.

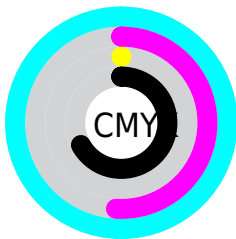
Distribution



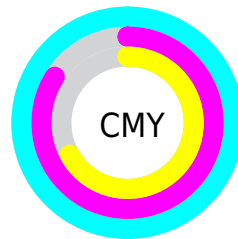
- Red (0%)
- Green (16%)
- Blue (33%)



- Red (0%)
- Yellow (11%)
- Blue (33%)



- Cyan (100%)
- Magenta (51%)
- Yellow (0%)
- Black (67%)



- Cyan (100%)
- Magenta (84%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the Hex color 002A55 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 002A55 by changing the saturation by 10% instead.

■ 002A55

■ 002A55

FFFFFF

■ 00163D

■ 3E5787

■ 000327

■ 586FA2

■ 000111

■ 7388BD

■ 000000

■ 8EA2D9

■ A9BDF5

■ C5D9FF

■ E2F6FF

■ 002A55

■ 082E55

■ 113355

■ 193755

■ 223B55

■ 2A4055

■ 334455

■ 3B4855

■ 444C55

■ 4C5155

Harmonies

Analogous

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



003053



002A55



34204B

Triad

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



002A55



4C1A0E



00331B

Complementary

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



002A55



552B00

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.



153002



002A55



402400

Square

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



002A55



511323



2E2B00



003431

Rectangle

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



002A55



441940



2E2B00



003213

Sweetspot

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



002A55



4D5D6E



00552A



242E38



B8B8B8



383838

Same Dimension

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



002A55



00366E



000055



27292B



00356B



0074EB

Inverse Universe

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



55002A



6E0036



555500



2B2729



6B0035



EB0074

Previews

White Background



This preview shows how the Hex color 002A55 looks on a white background.

Color Contrast Check

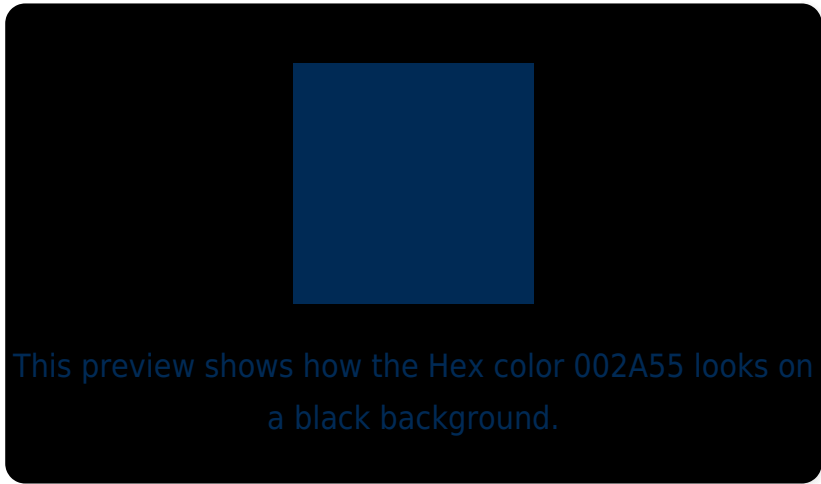
Large Text (above 18pt) WCAG AA ✓ Pass

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

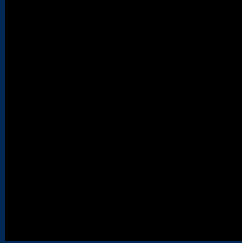
Any Text WCAG AA × Fail

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 002A55 Background



This preview shows how black text looks on a background with the Hex color 002A55.



This preview shows how white text looks on a background with the Hex color 002A55.

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
002A55

Protanopia
102954

Deuteranopia
002C4C

Trichromacy



Original Color

002A55

Protanomaly

0A2954

Deuteranomaly

002B4F

Tritanomaly

002E3F

Monochromacy



Original Color

002A55

Achromatopsia

222222

Achromatomaly

162535

CSS Examples

Text

The CSS property to change the color of the text to Hex 002A55 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 #002A55 looks like.

```
.text, #text, p{  
    color:#002A55  
}
```

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 #002A55 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #002A55
}
```

Border

The CSS property to change the border of an element to Hex 002A55 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
#002A55 }
```

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

```
.border{ border-color:#002A55 }
```

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

Here you see how a box with a 4 pixel #002A55 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #002A55; -webkit-box-shadow:4px 4px  
4px 4px #002A55; box-shadow:4px 4px 4px  
4px #002A55 }
```

Background

The CSS property to change the background color of an element to Hex 002A55 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#002A55 }
```

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

```
.background{ background-color:#002A55 }
```

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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