

Converting Colors

Hex(002578)

Have a look what the booklet for
Hex(002578) contains.

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Color

Hex(002578)

Conversions

Conversions Part 1

Format	Color
Hex	002578
RGB	0, 37, 120
RGB Percent	0%, 15%, 47%
CMY	1.0000, 0.8549, 0.5294
CMYK	1.00, 0.69, 0.00, 0.53
HSL	222°, 100%, 24%
HSV	222°, 100%, 47%
XYZ	4.0517, 2.6792, 18.0729
YIQ	35.3990, -48.6950, 17.9690

Conversions

Conversions Part 2

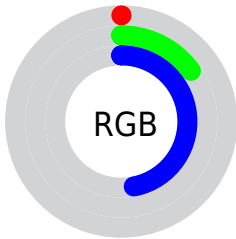
Format	Color
RYB	0, 28, 120
Decimal	9592
CIELab	18.71, 25.05, -50.07
CIELCh	19, 55.985, 296.580
Yxy	2.6792, 0.1634, 0.1080
Android (android.graphics.Color)	4278199672 (0xFF002578)
YUV	35.3990, 41.7083, -31.0449
Hunter-Lab	16.3683, 15.5407, -54.0068

Details

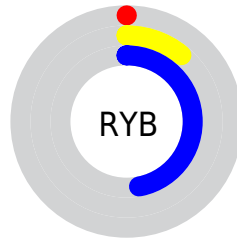
The Hex color **002578** is a dark color, and the websafe version is hex **003399**. A complement of this color would be **785300**, and the grayscale version is **232323**.

A 20% lighter version of the original color is **4C51AD**, and **000046** is the 20% darker color. If you saturate the color by 10%, you get **002578**, and if you desaturate by 10%, it is **0C2D78**.

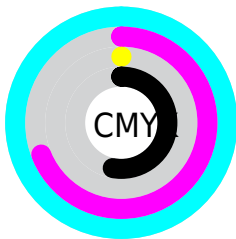
Distribution



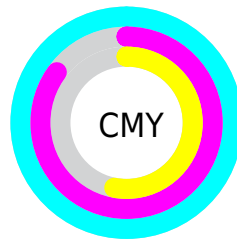
- Red (0%)
- Green (15%)
- Blue (47%)



- Red (0%)
- Yellow (11%)
- Blue (47%)



- Cyan (100%)
- Magenta (69%)
- Yellow (0%)
- Black (53%)



- Cyan (100%)
- Magenta (85%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the Hex color 002578 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 002578 by changing the saturation by 10% instead.

■ 002578

■ 002578

FFFFFF

■ 00125F

■ 4C51AD

■ 000046

■ 6869C9

■ 00042F

■ 8483E5

■ 000119

■ A09DFF

■ 000000

■ BDB8FF

■ DAD3FF

■ F8EFFF

■ 002578

■ 0C2D78

■ 183678

■ 243E78

■ 304678

■ 3C4E78

■ 485778

■ 545F78

■ 606778

■ 6C7078

Harmonies

Analogous

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



003581



002578



57005B

Triad

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



002578



5B1400



003C28

Complementary

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



002578



785300

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.



003A00



002578



3D2B00

Square

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



002578



6D000B



133500



003D51

Rectangle

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



002578



690042



133500



003C19

Sweetspot

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



002578



6D7B9C



007852



333B4F



CFCFCF



4F4F4F

Same Dimension

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



002578



00309C



160078



37393D



00277D



004EFC

Inverse Universe

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



780025



9C0030



627800



3D3739



7D0027



FC004E

Previews

White Background



This preview shows how the Hex color 002578 looks on a white background.

Color Contrast Check

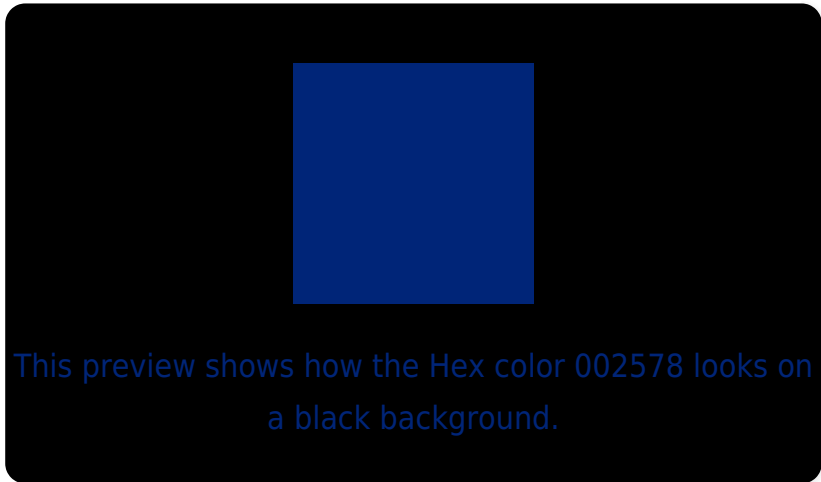
Large Text (above 18pt) WCAG AA ✓ Pass

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

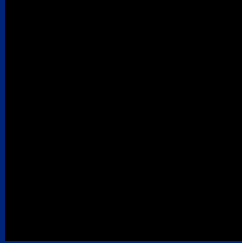
Any Text WCAG AA × Fail

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 002578 Background



This preview shows how black text looks on a background with the Hex color 002578.



This preview shows how white text looks on a background with the Hex color 002578.

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
002578

Protanopia
002D5F

Deuteranopia
003051

Trichromacy



Original Color
002578

Protanomaly
002A68

Deuteranomaly
002C5F

Tritanomaly
002F4F

Monochromacy



Original Color
002578

Achromatopsia
232323

Achromatomaly
162442

CSS Examples

Text

The CSS property to change the color of the text to Hex 002578 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 #002578 looks like.

```
.text, #text, p{  
    color:#002578  
}
```

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 #002578 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #002578
}
```

Border

The CSS property to change the border of an element to Hex 002578 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
#002578 }
```

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

```
.border{ border-color:#002578 }
```

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

Here you see how a box with a 4 pixel #002578 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #002578; -webkit-box-shadow:4px 4px  
4px 4px #002578; box-shadow:4px 4px 4px  
4px #002578 }
```

Background

The CSS property to change the background color of an element to Hex 002578 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#002578 }
```

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

```
.background{ background-color:#002578 }
```

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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