

Converting Colors

Hex(00235D)

Have a look what the booklet for
Hex(00235D) contains.

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Color

Hex(00235D)

Conversions

Conversions Part 1

Format	Color
Hex	00235D
RGB	0, 35, 93
RGB Percent	0%, 14%, 36%
CMY	1.0000, 0.8627, 0.6353
CMYK	1.00, 0.62, 0.00, 0.64
HSL	217°, 100%, 18%
HSV	217°, 100%, 36%
XYZ	2.5768, 1.9924, 10.6047
YIQ	31.1470, -39.4780, 10.6180

Conversions

Conversions Part 2

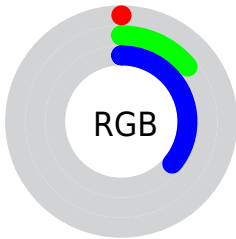
Format	Color
RYB	0, 25, 93
Decimal	9053
CIELab	15.45, 14.66, -37.80
CIELCh	15, 40.542, 291.194
Yxy	1.9924, 0.1698, 0.1313
Android (android.graphics.Color)	4278199133 (0xFF00235D)
YUV	31.1470, 30.4935, -27.3159
Hunter-Lab	14.1152, 7.8848, -34.6638

Details

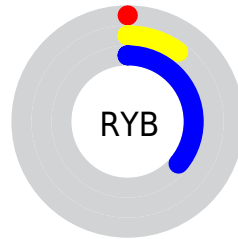
The Hex color **00235D** is a dark color, and the websafe version is hex **003366**. A complement of this color would be **5D3A00**, and the grayscale version is **1F1F1F**.

A 20% lighter version of the original color is **424F90**, and **00042E** is the 20% darker color. If you saturate the color by 10%, you get **00235D**, and if you desaturate by 10%, it is **09295D**.

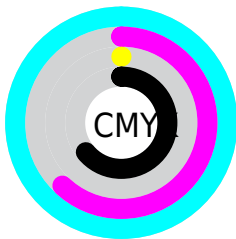
Distribution



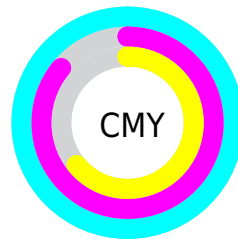
- Red (0%)
- Green (14%)
- Blue (36%)



- Red (0%)
- Yellow (10%)
- Blue (36%)



- Cyan (100%)
- Magenta (62%)
- Yellow (0%)
- Black (64%)



- Cyan (100%)
- Magenta (86%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the Hex color 00235D 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 00235D by changing the saturation by 10% instead.

■ 00235D

■ 00235D

FFFFFF

■ 000F45

■ 424F90

■ 00042E

■ 5C67AB

■ 000118

■ 7780C6

■ 000000

■ 929AE3

■ AEB4FF

■ CAD0FF

■ E7ECFF

■ 00235D

■ 09295D

■ 132F5D

■ 1C345D

■ 253A5D

■ 2F405D

■ 38465D

■ 414C5D

■ 4A515D

■ 54575D

Harmonies

Analogous

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



002D60



00235D



3F114B

Triad

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



00235D



4C1300



00321D

Complementary

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



00235D



5D3A00

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.



003000



00235D



382200

Square

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



00235D



560014



1E2B00



00323B

Rectangle

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



00235D



4F013A



1E2B00



003113

Sweetspot

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



00235D



546178



005D39



272F3D



BDBDBD



3D3D3D

Same Dimension

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



00235D



002D78



0B005D



292B2E



00296E



0059ED

Inverse Universe

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



5D0023



78002D



525D00



2E292B



6E0029



ED0059

Previews

White Background



This preview shows how the Hex color 00235D looks on a white background.

Color Contrast Check

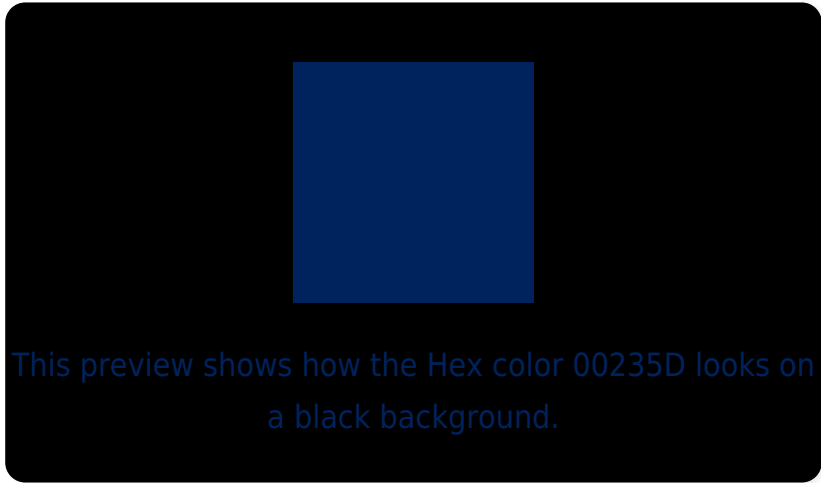
Large Text (above 18pt) WCAG AA ✓ Pass

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

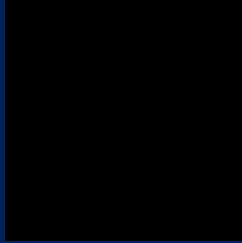
Any Text WCAG AA × Fail

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 00235D Background



This preview shows how black text looks on a background with the Hex color 00235D.



This preview shows how white text looks on a background with the Hex color 00235D.

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

00235D

Protanopia

002651

Deuteranopia

002945

Trichromacy



Original Color
00235D

Protanomaly
002555

Deuteranomaly
00274E

Tritanomaly
002940

Monochromacy



Original Color
00235D

Achromatopsia
1F1F1F

Achromatomaly
142036

CSS Examples

Text

The CSS property to change the color of the text to Hex 00235D 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 #00235D looks like.

```
.text, #text, p{  
    color:#00235D  
}
```

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 #00235D colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #00235D
}
```

Border

The CSS property to change the border of an element to Hex 00235D 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
#00235D }
```

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

```
.border{ border-color:#00235D }
```

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

Here you see how a box with a 4 pixel #00235D colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #00235D; -webkit-box-shadow:4px 4px  
4px 4px #00235D; box-shadow:4px 4px 4px  
4px #00235D }
```

Background

The CSS property to change the background color of an element to Hex 00235D is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#00235D }
```

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

```
.background{ background-color:#00235D }
```

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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