

Converting Colors

Hex(02315A)

Have a look what the booklet for
Hex(02315A) contains.

Hex(02315A)	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(02315A)

Conversions

Conversions Part 1

Format	Color
Hex	02315A
RGB	2, 49, 90
RGB Percent	1%, 19%, 35%
CMY	0.9922, 0.8078, 0.6471
CMYK	0.98, 0.46, 0.00, 0.65
HSL	208°, 96%, 18%
HSV	208°, 98%, 35%
XYZ	2.9688, 2.9477, 10.0854
YIQ	39.6210, -41.1730, 2.7870

Conversions

Conversions Part 2

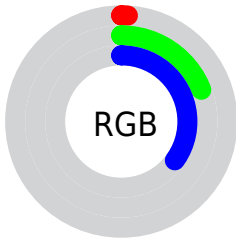
Format	Color
R_{YB}	2, 33, 90
Decimal	143706
CIE _{Lab}	19.83, 3.01, -28.71
CIE _{LCh}	20, 28.867, 275.988
Yxy	2.9477, 0.1855, 0.1842
Android (android.graphics.Color)	4278333786 (0xFF02315A)
YUV	39.6210, 24.8368, -32.9936
Hunter-Lab	17.1689, 0.8202, -22.8098

Details

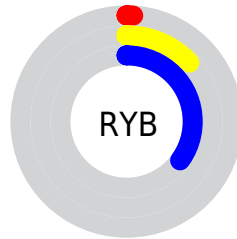
The Hex color **02315A** is a dark color, and the websafe version is hex **003366**. A complement of this color would be **5A2B02**, and the grayscale version is **272727**.

A 20% lighter version of the original color is **415F8C**, and **00012C** is the 20% darker color. If you saturate the color by 10%, you get **00305A**, and if you desaturate by 10%, it is **0B355A**.

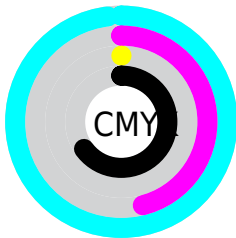
Distribution



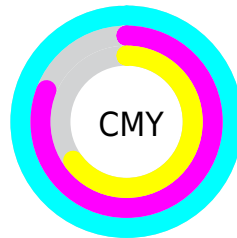
- Red (1%)
- Green (19%)
- Blue (35%)



- Red (1%)
- Yellow (13%)
- Blue (35%)



- Cyan (98%)
- Magenta (46%)
- Yellow (0%)
- Black (65%)



- Cyan (99%)
- Magenta (81%)
- Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the Hex color 02315A 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 02315A by changing the saturation by 10% instead.

■ 02315A

■ 02315A

FFFFFF

■ 001C42

■ 415F8C

■ 00012C

■ 5B77A7

■ 000116

■ 7691C2

■ 000000

■ 91ABDE

■ ACC7FB

■ C8E3FF

■ E5FFFF

■ 02315A

■ 02315A

■ 00305A

■ 0B355A

■ 14395A

■ 1D3E5A

■ 26425A

■ 2F465A

■ 384A5A

■ 414E5A

■ 4A535A

■ 53575A

Harmonies

Analogous

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



003756



02315A



362852

Triad

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



02315A



532018



00391E

Complementary

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



02315A



5A2B02

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.



21360A



02315A



482906

Square

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



02315A



561B2D



373000



003A34

Rectangle

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



02315A



472248



373000



0A3817

Sweetspot

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



02315A



536575



025A2A



26313B



BABABA



3B3B3B

Same Dimension

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



02315A



003F75



02065A



292C2E



003B6E



007FED

Inverse Universe

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



5A0231



75003F



5A5602



2E292C



6E003B



ED007F

Previews

White Background



This preview shows how the Hex color 02315A looks on a white background.

Color Contrast Check

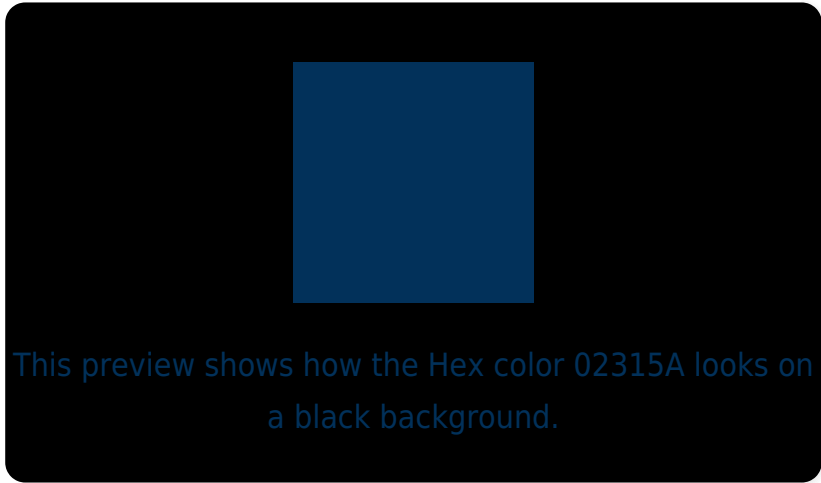
Large Text (above 18pt) WCAG AA ✓ Pass

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

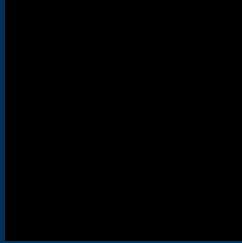
Any Text WCAG AA × Fail

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 02315A Background



This preview shows how black text looks on a background with the Hex color 02315A.



This preview shows how white text looks on a background with the Hex color 02315A.

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
02315A

Protanopia
1C2F58

Deuteranopia
003257



Tritanopia
00363A

Trichromacy



Original Color
02315A

Protanomaly
133059

Deuteranomaly
013258

Tritanomaly
013446

Monochromacy



Original Color
02315A

Achromatopsia
282828

Achromatomaly
1A2B3A

CSS Examples

Text

The CSS property to change the color of the text to Hex 02315A 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 #02315A looks like.

```
.text, #text, p{  
    color:#02315A  
}
```

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 #02315A colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #02315A
}
```

Border

The CSS property to change the border of an element to Hex 02315A 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
#02315A }
```

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

```
.border{ border-color:#02315A }
```

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

Here you see how a box with a 4 pixel #02315A colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #02315A; -webkit-box-shadow:4px 4px  
4px 4px #02315A; box-shadow:4px 4px 4px  
4px #02315A }
```

Background

The CSS property to change the background color of an element to Hex 02315A is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#02315A }
```

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

```
.background{ background-color:#02315A }
```

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