

Converting Colors

Hex(00345D)

Have a look what the booklet for
Hex(00345D) contains.

Hex(00345D)	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(00345D)

Conversions

Conversions Part 1

Format	Color
Hex	00345D
RGB	0, 52, 93
RGB Percent	0%, 20%, 36%
CMY	1.0000, 0.7961, 0.6353
CMYK	1.00, 0.44, 0.00, 0.64
HSL	206°, 100%, 18%
HSV	206°, 100%, 36%
XYZ	3.2038, 3.2463, 10.8137
YIQ	41.1260, -44.1530, 1.7270

Conversions

Conversions Part 2

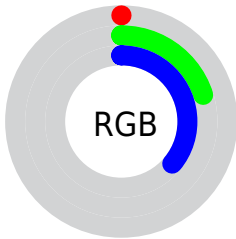
Format	Color
R_{YB}	0, 33, 93
Decimal	13405
CIE _{Lab}	21.00, 2.01, -28.82
CIE _{LCh}	21, 28.889, 273.995
Yxy	3.2463, 0.1856, 0.1880
Android (android.graphics.Color)	4278203485 (0xFF00345D)
YUV	41.1260, 25.5739, -36.0675
Hunter-Lab	18.0175, 0.2094, -22.9722

Details

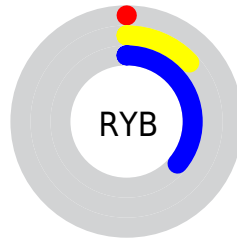
The Hex color **00345D** is a dark color, and the websafe version is hex **003366**. A complement of this color would be **5D2900**, and the grayscale version is **292929**.

A 20% lighter version of the original color is **416290**, and **00062F** is the 20% darker color. If you saturate the color by 10%, you get **00345D**, and if you desaturate by 10%, it is **09385D**.

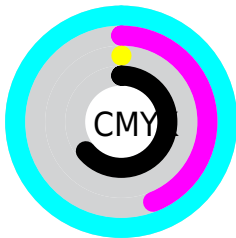
Distribution



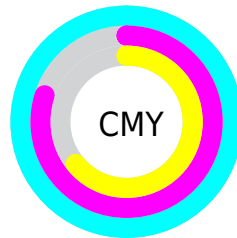
- Red (0%)
- Green (20%)
- Blue (36%)



- Red (0%)
- Yellow (13%)
- Blue (36%)



- Cyan (100%)
- Magenta (44%)
- Yellow (0%)
- Black (64%)



- Cyan (100%)
- Magenta (80%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the Hex color 00345D 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 00345D by changing the saturation by 10% instead.

■ 00345D

■ 00345D

FFFFFF

■ 001F45

■ 416290

■ 00062F

■ 5B7BAA

■ 000119

■ 7694C6

■ 000000

■ 91AFE2

■ ADCAFF

■ C9E6FF

■ E6FFFF

■ 00345D

■ 09385D

■ 133C5D

■ 1C405D

■ 25445D

■ 2F485D

■ 384D5D

■ 41515D

■ 4A555D

■ 54595D

Harmonies

Analogous

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



003A59



00345D



372C56

Triad

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



00345D



57221C



003B1F

Complementary

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



00345D



5D2900

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.



25380C



00345D



4C2A0A

Square

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



00345D



581E31



3B3202



003D35

Rectangle

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



00345D



48254C



3B3202



103A18

Sweetspot

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



00345D



546878



005D28



27333D



BDBDBD



3D3D3D

Same Dimension

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



00345D



004378



00065D



292C2E



003D6E



0085ED

Inverse Universe

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



5D0034



780043



5D5700



2E292C



6E003D



ED0085

Previews

White Background



This preview shows how the Hex color 00345D looks on a white background.

Color Contrast Check

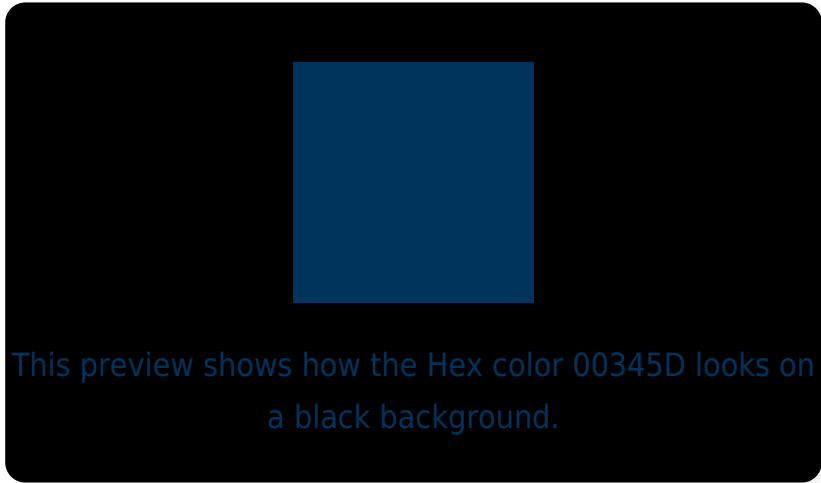
Large Text (above 18pt) WCAG AA ✓ Pass

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

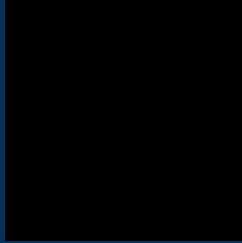
Any Text WCAG AA × Fail

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 00345D Background



This preview shows how black text looks on a background with the Hex color 00345D.



This preview shows how white text looks on a background with the Hex color 00345D.

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



Trichromacy



Original Color
00345D

Protanomaly
14335C

Deuteranomaly
00345C

Tritanomaly
003749

Monochromacy



Original Color
00345D

Achromatopsia
292929

Achromatomaly
1A2D3C

CSS Examples

Text

The CSS property to change the color of the text to Hex 00345D 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 #00345D looks like.

```
.text, #text, p{  
    color:#00345D  
}
```

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 #00345D colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #00345D
}
```

Border

The CSS property to change the border of an element to Hex 00345D 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
#00345D }
```

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

```
.border{ border-color:#00345D }
```

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

Here you see how a box with a 4 pixel #00345D colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #00345D; -webkit-box-shadow:4px 4px  
4px 4px #00345D; box-shadow:4px 4px 4px  
4px #00345D }
```

Background

The CSS property to change the background color of an element to Hex 00345D is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#00345D }
```

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

```
.background{ background-color:#00345D }
```

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