

# Converting Colors

Hex(00224E)

Have a look what the booklet for  
Hex(00224E) contains.

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# Color

**Hex(00224E)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00224E
RGB	0, 34, 78
RGB Percent	0%, 13%, 31%
CMY	1.0000, 0.8667, 0.6941
CMYK	1.00, 0.56, 0.00, 0.69
HSL	214°, 100%, 15%
HSV	214°, 100%, 31%
XYZ	1.9472, 1.6941, 7.4321
YIQ	28.8500, -34.3880, 6.4760

# Conversions

## Conversions Part 2

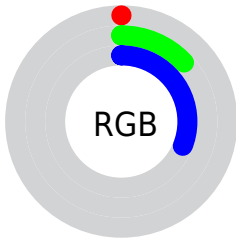
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">0, 24, 78</a>
Decimal	<a href="#">8782</a>
CIELab	<a href="#">13.79, 8.40, -30.37</a>
CIELCh	<a href="#">14, 31.509, 285.455</a>
Yxy	<a href="#">1.6941, 0.1758, 0.1530</a>
Android (android.graphics.Color)	<a href="#">4278198862 (0xFF00224E)</a>
YUV	<a href="#">28.8500, 24.2310, -25.3014</a>
Hunter-Lab	<a href="#">13.0158, 3.9260, -24.7438</a>

# Details

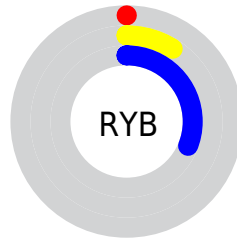
The Hex color **00224E** is a dark color, and the websafe version is hex **003366**. A complement of this color would be **4E2C00**, and the grayscale version is **1D1D1D**.

A 20% lighter version of the original color is **3C4E80**, and **000221** is the 20% darker color. If you saturate the color by 10%, you get **00224E**, and if you desaturate by 10%, it is **08264E**.

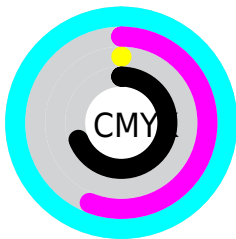
# Distribution



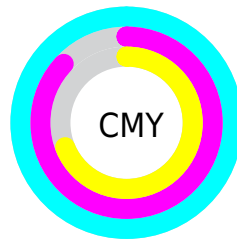
- Red (0%)
- Green (13%)
- Blue (31%)



- Red (0%)
- Yellow (9%)
- Blue (31%)



- Cyan (100%)
- Magenta (56%)
- Yellow (0%)
- Black (69%)



- Cyan (100%)
- Magenta (87%)
- Yellow (69%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 00224E 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 00224E by changing the saturation by 10% instead.



00224E

00224E

FBFFFF

000C37

3C4E80

000221

56659A

000006

707EB5

000000

8A98D0

A6B3ED

C2CEFF

DEEBFF

00224E

■ 08264E

■ 102B4E

■ 172F4E

■ 1F344E

■ 27384E

■ 2F3C4E

■ 37414E

■ 3E454E

■ 464A4E

# Harmonies

## Analogous

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



00294E



00224E



321742

# Triad

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



00224E



441300



002C17

# Complementary

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



00224E



4E2C00

# 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.



092A00



00224E



361E00

# Square

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



00224E



490919



232600



002D2E

# Rectangle

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



00224E



400F36



232600



002C0F



# Sweetspot

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



00224E



475566



004E2B



212933



B3B3B3



333333



# Same Dimension

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



00224E



002C66



04004E



222426



0064E6

# Inverse Universe

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



4E0022



66002C



4A4E00



262224



E60064

# Previews

## White Background



This preview shows how the Hex color 00224E looks on a white background.

## Color Contrast Check

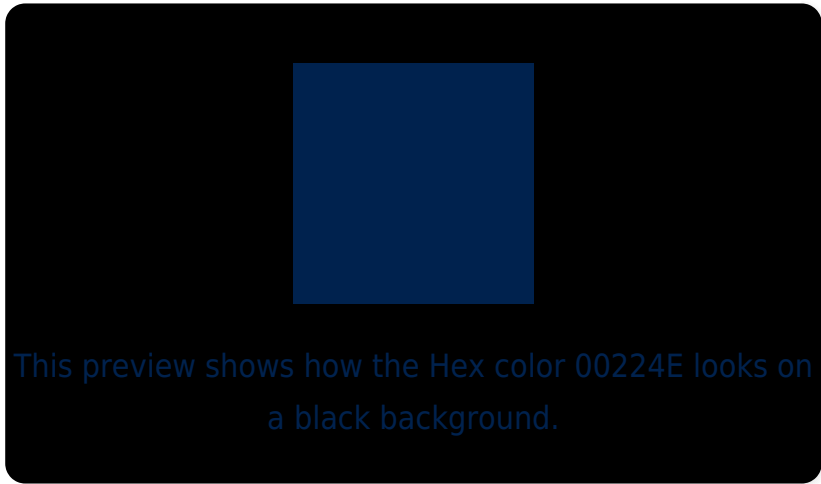
Large Text (above 18pt) WCAG AA ✓ Pass

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

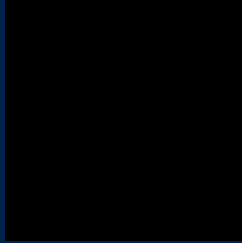
Any Text WCAG AA × Fail

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 00224E Background



This preview shows how black text looks on a background with the Hex color 00224E.



This preview shows how white text looks on a background with the Hex color 00224E.

# 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**  
00224E

**Protanopia**  
00234A

**Deuteranopia**  
002540





**Tritanopia**  
00282B

# Trichromacy



**Original Color**  
00224E

**Protanomaly**  
00234B

**Deuteranomaly**  
002445

**Tritanomaly**  
002638

# Monochromacy



**Original Color**  
00224E

**Achromatopsia**  
1D1D1D

**Achromatomaly**  
121F2F

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 00224E 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 #00224E looks like.

```
.text, #text, p{  
    color:#00224E  
}
```

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 #00224E colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #00224E
}
```

## Border

The CSS property to change the border of an element to Hex 00224E 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
#00224E }
```

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

```
.border{ border-color:#00224E }
```

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

Here you see how a box with a 4 pixel #00224E colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #00224E; -webkit-box-shadow:4px 4px  
4px 4px #00224E; box-shadow:4px 4px 4px  
4px #00224E }
```

# Background

The CSS property to change the background color of an element to Hex 00224E is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#00224E }
```

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

```
.background{ background-color:#00224E }
```

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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