

# Converting Colors

Hex(01224F)

Have a look what the booklet for  
Hex(01224F) contains.

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# Color

**Hex(01224F)**

# Conversions

## Conversions Part 1

Format	Color
Hex	01224F
RGB	1, 34, 79
RGB Percent	0%, 13%, 31%
CMY	0.9961, 0.8667, 0.6902
CMYK	0.99, 0.57, 0.00, 0.69
HSL	215°, 98%, 16%
HSV	215°, 99%, 31%
XYZ	1.9958, 1.7150, 7.6230
YIQ	29.2630, -34.1130, 6.9990

# Conversions

## Conversions Part 2

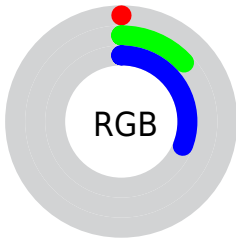
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	1, 24, 79
Decimal	74319
CIE Lab	13.91, 9.00, -30.85
CIE LCh	14, 32.139, 286.264
Yxy	1.7150, 0.1761, 0.1513
Android (android.graphics.Color)	4278264399 (0xFF01224F)
YUV	29.2630, 24.5203, -24.7867
Hunter-Lab	13.0959, 4.2858, -25.3450

# Details

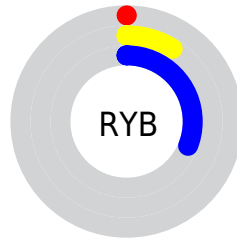
The Hex color **01224F** is a dark color, and the websafe version is hex **003366**. A complement of this color would be **4F2E01**, and the grayscale version is **1D1D1D**.

A 20% lighter version of the original color is **3D4E81**, and **000222** is the 20% darker color. If you saturate the color by 10%, you get **00214F**, and if you desaturate by 10%, it is **09274F**.

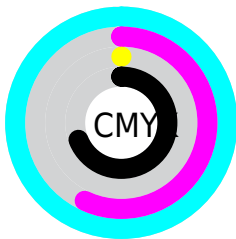
# Distribution



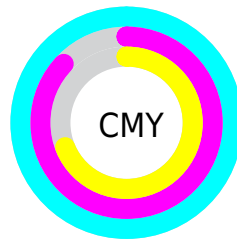
- Red (0%)
- Green (13%)
- Blue (31%)



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



- Cyan (99%)
- Magenta (57%)
- Yellow (0%)
- Black (69%)



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

# Brightness & Saturation Gradients

These gradients show how the Hex color 01224F 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 01224F by changing the saturation by 10% instead.



01224F

01224F

FCFFFF

000C38

3D4E81

000222

57659B

000008

717EB6

000000

8B98D2

A7B3EE

C3CEFF

DFEBFF

01224F

01224F

■ 00214F

■ 09274F

■ 112B4F

■ 19304F

■ 21344F

■ 29394F

■ 303D4F

■ 38424F

■ 40464F

■ 484B4F

# Harmonies

## Analogous

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



00294F



01224F



331743

# Triad

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



01224F



441300



002D18

# Complementary

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



01224F



4F2E01

# 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.



072A00



01224F



361F00

# Square

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



01224F



4A0818



222600



002D2F

# Rectangle

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



01224F



410E36



222600



002C10



# Sweetspot

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



01224F



475466



014F2D



212833



B3B3B3



333333



# Same Dimension

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



01224F



002B66



06014F



222426



0061E6

# Inverse Universe

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



4F0122



66002B



4A4F01



262224



E60061

# Previews

## White Background



This preview shows how the Hex color 01224F looks on a white background.

## Color Contrast Check

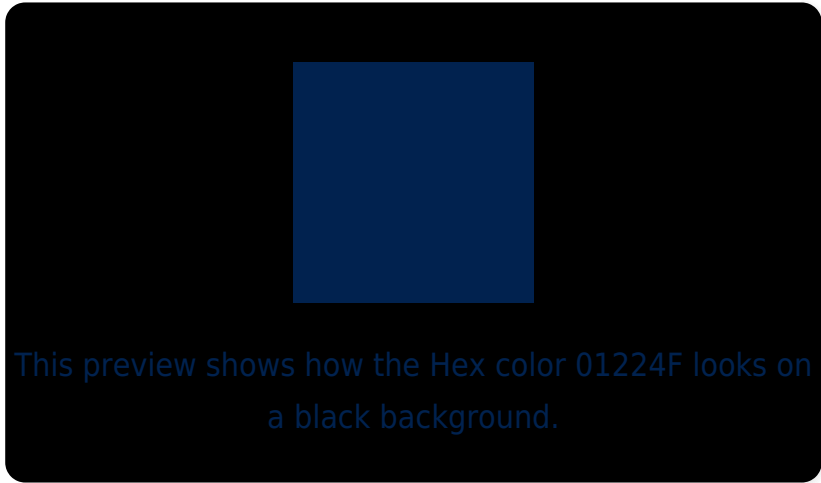
Large Text (above 18pt) WCAG AA ✓ Pass

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

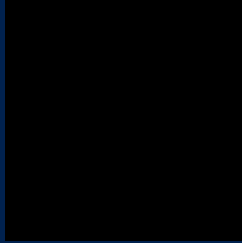
Any Text WCAG AA × Fail

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 01224F Background



This preview shows how black text looks on a background with the Hex color 01224F.



This preview shows how white text looks on a background with the Hex color 01224F.

# 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**  
01224F

**Protanopia**  
00234B

**Deuteranopia**  
002540





**Tritanopia**  
00292B

# Trichromacy



**Original Color**  
01224F

**Protanomaly**  
00234C

**Deuteranomaly**  
002445

**Tritanomaly**  
002638

# Monochromacy



**Original Color**  
01224F

**Achromatopsia**  
1D1D1D

**Achromatomaly**  
131F2F

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 01224F 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 #01224F looks like.

```
.text, #text, p{  
    color:#01224F  
}
```

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 #01224F colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #01224F
}
```

## Border

The CSS property to change the border of an element to Hex 01224F 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".

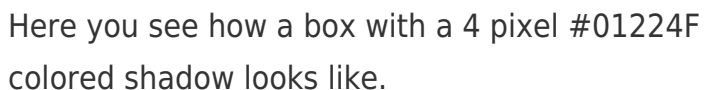
```
.border, #border, table{ border:4px solid
#01224F }
```

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

```
.border{ border-color:#01224F }
```

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

Here you see how a box with a 4 pixel #01224F colored shadow looks like.



```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #01224F; -webkit-box-shadow:4px 4px  
4px 4px #01224F; box-shadow:4px 4px 4px  
4px #01224F }
```

# Background

The CSS property to change the background color of an element to Hex 01224F is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#01224F }
```

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

```
.background{ background-color:#01224F }
```

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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