

# Converting Colors

Hex(042445)

Have a look what the booklet for  
Hex(042445) contains.

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# Color

Hex(042445)

# Conversions

## Conversions Part 1

Format	Color
Hex	042445
RGB	4, 36, 69
RGB Percent	2%, 14%, 27%
CMY	0.9843, 0.8588, 0.7294
CMYK	0.94, 0.48, 0.00, 0.73
HSL	210°, 89%, 14%
HSV	210°, 94%, 27%
XYZ	1.7551, 1.7172, 5.8692
YIQ	30.1940, -29.6650, 3.4790

# Conversions

## Conversions Part 2

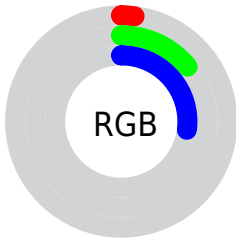
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	4, 25, 69
Decimal	271429
CIE <sub>Lab</sub>	13.93, 3.16, -23.95
CIE <sub>LCh</sub>	14, 24.159, 277.518
Yxy	1.7172, 0.1879, 0.1838
Android (android.graphics.Color)	4278461509 (0xFF042445)
YUV	30.1940, 19.1314, -22.9721
Hunter-Lab	13.1043, 0.9747, -17.3818

# Details

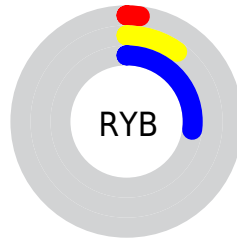
The Hex color **042445** is a dark color, and the websafe version is hex **003366**. A complement of this color would be **452504**, and the grayscale version is **1E1E1E**.

A 20% lighter version of the original color is **3B5076**, and **000119** is the 20% darker color. If you saturate the color by 10%, you get **002245**, and if you desaturate by 10%, it is **0B2845**.

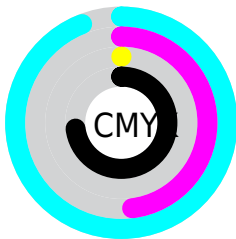
# Distribution



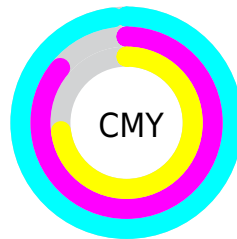
- Red (2%)
- Green (14%)
- Blue (27%)



- Red (2%)
- Yellow (10%)
- Blue (27%)



- Cyan (94%)
- Magenta (48%)
- Yellow (0%)
- Black (73%)



- Cyan (98%)
- Magenta (86%)
- Yellow (73%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 042445 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 042445 by changing the saturation by 10% instead.



042445

042445

F7FFFF

000E2F

3B5076

000119

54688F

000000

6E81AA

889BC5

A3B6E1

BED1FE

DBEEFF

042445

042445

■ 002245

■ 0B2845

■ 122B45

■ 192F45

■ 203245

■ 273645

■ 2D3945

■ 343D45

■ 3B4045

■ 424445

# Harmonies

## Analogous

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



002943



042445



2A1D3E

# Triad

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



042445



40170F



002B16

# Complementary

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



042445



452504

# 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.



172802



042445



371E00

# Square

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



042445



421320



2A2400



002B27

# Rectangle

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



042445



361836



2A2400



042A10



# Sweetspot

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



042445



404D59



044524



1E262E



ADADAD



2E2E2E



# Same Dimension

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



042445



002C59



040445



202224



003163



0070E3



# Inverse Universe

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



450424



59002C



454504



242022



630031



E30070



# Previews

## White Background



This preview shows how the Hex color 042445 looks on a white background.

## Color Contrast Check

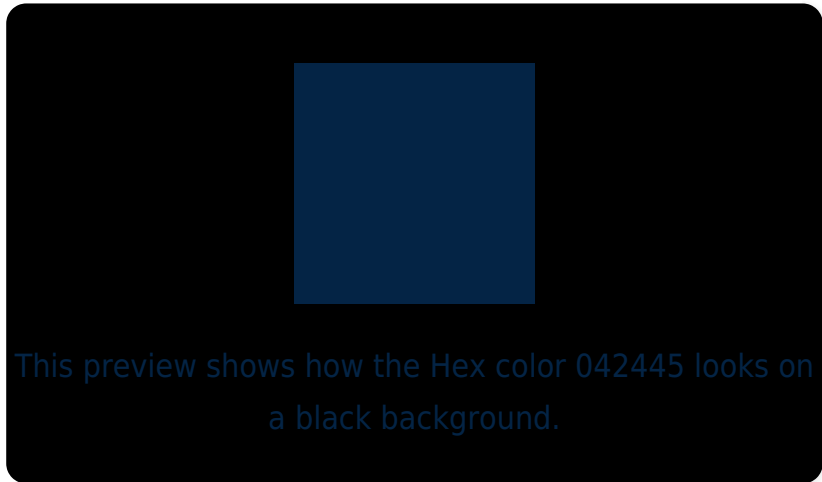
Large Text (above 18pt) WCAG AA ✓ Pass

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

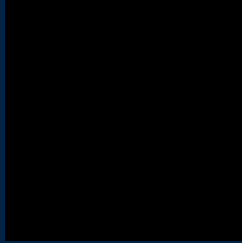
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 042445 Background



This preview shows how black text looks on a background with the Hex color 042445.



This preview shows how white text looks on a background with the Hex color 042445.

# 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**  
042445

**Protanopia**  
122344

**Deuteranopia**  
002541



**Tritanopia**  
00282B

# Trichromacy



**Original Color**  
042445

**Protanomaly**  
0D2344

**Deuteranomaly**  
012542

**Tritanomaly**  
012734

# Monochromacy



**Original Color**  
042445

**Achromatopsia**  
1E1E1E

**Achromatomaly**  
15202C

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 042445 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 #042445 looks like.

```
.text, #text, p{  
    color:#042445  
}
```

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 #042445 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #042445
}
```

## Border

The CSS property to change the border of an element to Hex 042445 is called "border". The border property can be set on classes, ids or directly on the HTML element.

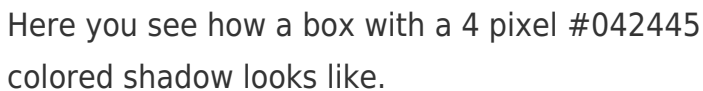
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#042445 }
```

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

```
.border{ border-color:#042445 }
```

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



Here you see how a box with a 4 pixel #042445 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #042445; -webkit-box-shadow:4px 4px  
4px 4px #042445; box-shadow:4px 4px 4px  
4px #042445 }
```

# Background

The CSS property to change the background color of an element to Hex 042445 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#042445 }
```

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

```
.background{ background-color:#042445 }
```

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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