

Converting Colors

Hex(0D3166)

Have a look what the booklet for
Hex(0D3166) contains.

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Color

Hex(0D3166)

Conversions

Conversions Part 1

Format	Color
Hex	0D3166
RGB	13, 49, 102
RGB Percent	5%, 19%, 40%
CMY	0.9490, 0.8078, 0.6000
CMYK	0.87, 0.52, 0.00, 0.60
HSL	216°, 77%, 23%
HSV	216°, 87%, 40%
XYZ	3.6626, 3.2415, 13.0030
YIQ	44.2780, -38.4690, 8.8510

Conversions

Conversions Part 2

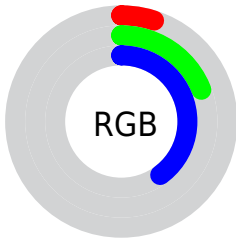
Format	Color
R_{YB}	13, 39, 102
Decimal	864614
CIE _{Lab}	20.99, 9.46, -34.72
CIE _{LCh}	21, 35.986, 285.240
Yxy	3.2415, 0.1840, 0.1628
Android (android.graphics.Color)	4279054694 (0xFF0D3166)
YUV	44.2780, 28.4569, -27.4308
Hunter-Lab	18.0042, 4.8047, -30.2176

Details

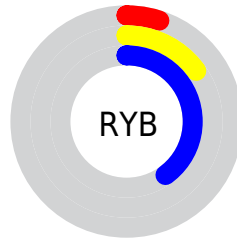
The Hex color **0D3166** is a dark color, and the websafe version is hex **003366**. A complement of this color would be **66420D**, and the grayscale version is **2C2C2C**.

A 20% lighter version of the original color is **495F9A**, and **000137** is the 20% darker color. If you saturate the color by 10%, you get **032B66**, and if you desaturate by 10%, it is **173766**.

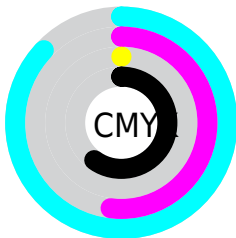
Distribution



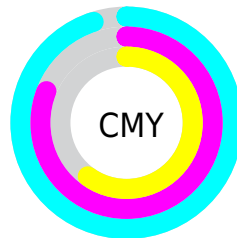
- Red (5%)
- Green (19%)
- Blue (40%)



- Red (5%)
- Yellow (15%)
- Blue (40%)



- Cyan (87%)
- Magenta (52%)
- Yellow (0%)
- Black (60%)



- Cyan (95%)
- Magenta (81%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the Hex color 0D3166 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 0D3166 by changing the saturation by 10% instead.

0D3166

0D3166

FFFFFF

001D4E

495F9A

000137

6477B5

000220

7F91D0

000005

9AABED

000000

B6C6FF

D2E2FF

FFFFFF

0D3166

0D3166

■ 032B66

■ 173766

■ 002966

■ 213D66

■ 2C4366

■ 364966

■ 404F66

■ 4A5566

■ 545C66

■ 5F6266

■ 696866

Harmonies

Analogous

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



003966



0D3166



442558

Triad

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



0D3166



5A200D



003E24

Complementary

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



0D3166



66420D

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.



113B08



0D3166



4A2C00

Square

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



0D3166



611626



333500



003E40

Rectangle

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



0D3166



551C49



333500



003D1B

Sweetspot

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



0D3166



627085



0D6641



2E3642



C2C2C2



424242

Same Dimension

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



0D3166



003685



140D66



2E3033



002E73



0062F2

Inverse Universe

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



660D31



850036



5F660D



332E30



73002E



F20062

Previews

White Background



This preview shows how the Hex color 0D3166 looks on a white background.

Color Contrast Check

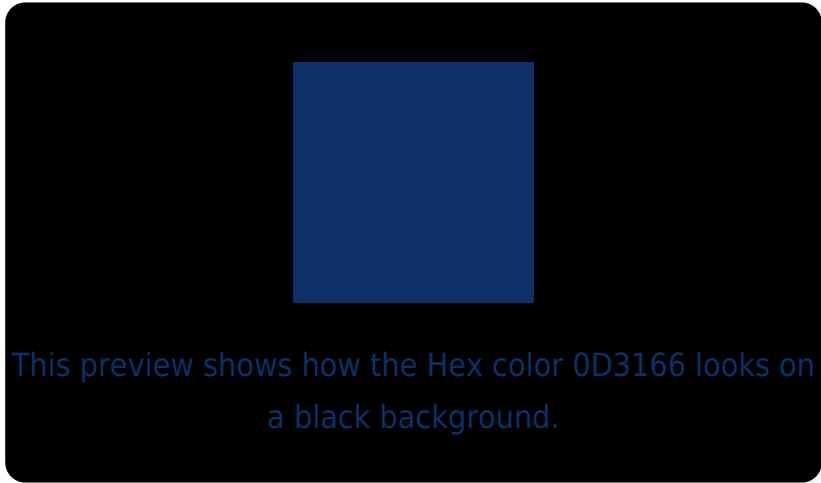
Large Text (above 18pt) WCAG AA ✓ Pass

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

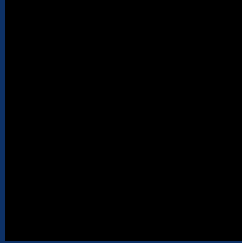
Any Text WCAG AA × Fail

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 0D3166 Background



This preview shows how black text looks on a background with the Hex color 0D3166.



This preview shows how white text looks on a background with the Hex color 0D3166.

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
0D3166

Protanopia
0E3166

Deuteranopia
00345A



Tritanopia
00383C

Trichromacy



Original Color
0D3166

Protanomaly
0E3166

Deuteranomaly
05335E

Tritanomaly
05354B

Monochromacy



Original Color
0D3166

Achromatopsia
2C2C2C

Achromatomaly
212E41

CSS Examples

Text

The CSS property to change the color of the text to Hex 0D3166 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 #0D3166 looks like.

```
.text, #text, p{  
    color:#0D3166  
}
```

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 #0D3166 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #0D3166
}
```

Border

The CSS property to change the border of an element to Hex 0D3166 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
#0D3166 }
```

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

```
.border{ border-color:#0D3166 }
```

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

Here you see how a box with a 4 pixel #0D3166 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #0D3166; -webkit-box-shadow:4px 4px  
4px 4px #0D3166; box-shadow:4px 4px 4px  
4px #0D3166 }
```

Background

The CSS property to change the background color of an element to Hex 0D3166 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#0D3166 }
```

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

```
.background{ background-color:#0D3166 }
```

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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