

# Converting Colors

Hex(0C1649)

Have a look what the booklet for  
Hex(0C1649) contains.

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# Color

**Hex(0C1649)**

# Conversions

## Conversions Part 1

Format	Color
Hex	0C1649
RGB	12, 22, 73
RGB Percent	5%, 9%, 29%
CMY	0.9529, 0.9137, 0.7137
CMYK	0.84, 0.70, 0.00, 0.71
HSL	230°, 72%, 17%
HSV	230°, 84%, 29%
XYZ	1.6411, 1.1330, 6.4355
YIQ	24.8240, -22.3310, 13.7410

# Conversions

## Conversions Part 2

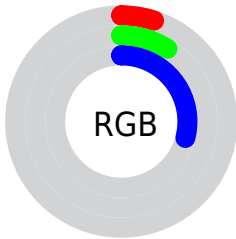
Format	Color
<b>R<sub>YB</sub></b>	12, 21, 73
Decimal	792137
CIE <sub>Lab</sub>	10.05, 16.93, -32.99
CIE <sub>LCh</sub>	10, 37.078, 297.171
Yxy	1.1330, 0.1782, 0.1230
Android (android.graphics.Color)	4278982217 (0xFF0C1649)
YUV	24.8240, 23.7508, -11.2466
Hunter-Lab	10.6443, 8.8932, -28.3955

# Details

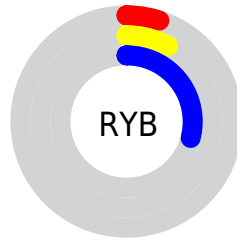
The Hex color **0C1649** is a dark color, and the websafe version is hex **000033**. A complement of this color would be **493F0C**, and the grayscale version is **191919**.

A 20% lighter version of the original color is **42407A**, and **00021C** is the 20% darker color. If you saturate the color by 10%, you get **051049**, and if you desaturate by 10%, it is **131C49**.

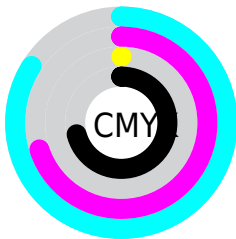
# Distribution



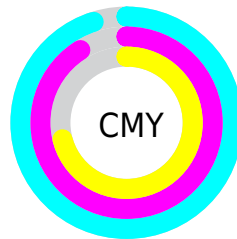
- Red (5%)
- Green (9%)
- Blue (29%)



- Red (5%)
- Yellow (8%)
- Blue (29%)



- Cyan (84%)
- Magenta (70%)
- Yellow (0%)
- Black (71%)



- Cyan (95%)
- Magenta (91%)
- Yellow (71%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 0C1649 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 0C1649 by changing the saturation by 10% instead.



■ 0C1649

■ 0C1649

■ FFF7FF

■ 000032

■ 42407A

■ 00021C

■ 5B5894

■ 000000

■ 7570AF

■ 8F89CB

■ ABA4E7

■ C6BFFF

■ E3DBFF

■ 0C1649

■ 0C1649

■ 051049

■ 131C49

■ 000C49

■ 1B2249

■ 222849

■ 292E49

■ 313549

■ 383B49

■ 3F4149

■ 464749

■ 4E4D49

# Harmonies

## Analogous

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



00204F



0C1649



360337

# Triad

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



0C1649



380D00



002718

# Complementary

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



0C1649



493F0C

# 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.



002500



0C1649



261A00

# Square

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



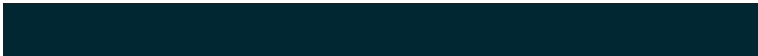
0C1649



440000



0B2100



002732

# Rectangle

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



0C1649



410027



0B2100



00260E



# Sweetspot

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



0C1649



474B5E



0C493F



222430



B0B0B0



303030



# Same Dimension

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



0C1649



000F5E



200C49



202124



001063



0025E3



# Inverse Universe

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



490C16



5E000F



35490C



242021



630010



E30025



# Previews

## White Background



This preview shows how the Hex color 0C1649 looks on a white background.

## Color Contrast Check

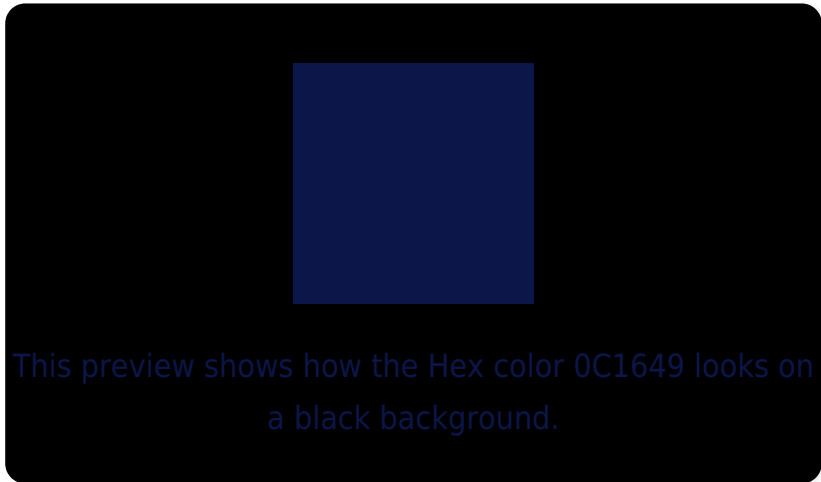
Large Text (above 18pt) WCAG AA ✓ Pass

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

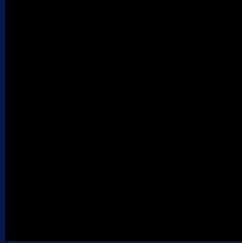
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 0C1649 Background



This preview shows how black text looks on a background with the Hex color 0C1649.



This preview shows how white text looks on a background with the Hex color 0C1649.

# 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**  
0C1649

**Protanopia**  
001C3A

**Tritanopia**  
002022

# Trichromacy



**Original Color**  
0C1649

**Protanomaly**  
041A3F

**Tritanomaly**  
041C30

# Monochromacy



**Original Color**  
0C1649

**Achromatopsia**  
191919

**Achromatomaly**  
14182A

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 0C1649 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 #0C1649 looks like.

```
.text, #text, p{  
    color:#0C1649  
}
```

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 #0C1649 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #0C1649
}
```

## Border

The CSS property to change the border of an element to Hex 0C1649 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
#0C1649 }
```

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

```
.border{ border-color:#0C1649 }
```

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

Here you see how a box with a 4 pixel #0C1649 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #0C1649; -webkit-box-shadow:4px 4px  
4px 4px #0C1649; box-shadow:4px 4px 4px  
4px #0C1649 }
```

# Background

The CSS property to change the background color of an element to Hex 0C1649 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#0C1649 }
```

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

```
.background{ background-color:#0C1649 }
```

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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