

# Converting Colors

Hex(0C5158)

Have a look what the booklet for  
Hex(0C5158) contains.

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# Color

**Hex(0C5158)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	0C5158
RGB	12, 81, 88
RGB Percent	5%, 32%, 35%
CMY	0.9529, 0.6824, 0.6549
CMYK	0.86, 0.08, 0.00, 0.65
HSL	186°, 76%, 20%
HSV	186°, 86%, 35%
XYZ	4.8555, 6.6676, 10.2636
YIQ	61.1670, -43.3710, -12.4510

# Conversions

## Conversions Part 2

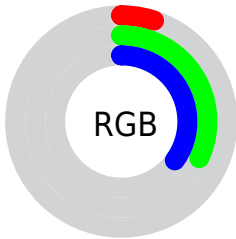
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	12, 48, 88
Decimal	807256
CIE <sub>Lab</sub>	31.04, -17.22, -9.92
CIE <sub>LCh</sub>	31, 19.878, 209.942
Yxy	6.6676, 0.2229, 0.3060
Android (android.graphics.Color)	4278997336 (0xFF0C5158)
<b>YUV</b>	61.1670, 13.2287, -43.1195
Hunter-Lab	25.8217, -11.6229, -5.4913

# Details

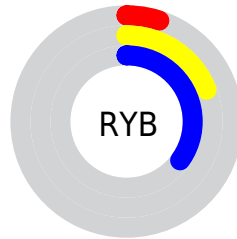
The Hex color **0C5158** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **58130C**, and the grayscale version is **3D3D3D**.

A 20% lighter version of the original color is **47838A**, and **00242B** is the 20% darker color. If you saturate the color by 10%, you get **035058**, and if you desaturate by 10%, it is **155258**.

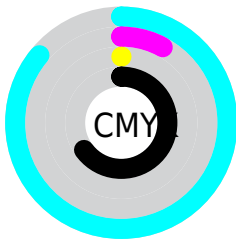
# Distribution



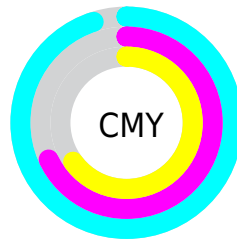
- Red (5%)
- Green (32%)
- Blue (35%)



- Red (5%)
- Yellow (19%)
- Blue (35%)



- Cyan (86%)
- Magenta (8%)
- Yellow (0%)
- Black (65%)



- Cyan (95%)
- Magenta (68%)
- Yellow (65%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 0C5158 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 0C5158 by changing the saturation by 10% instead.



 0C5158

 0C5158

FFFFFF

 003A41

 47838A

 00242B

 629DA4

 000817

 7CB8BF

 000000

 98D3DB

 B3F0F8

 D0FFFF

 ECFFFF

 0C5158

 0C5158

■ 035058

■ 155258

■ 005058

■ 1E5358

■ 265358

■ 2F5458

■ 385558

■ 415658

■ 4A5758

■ 525758

■ 5B5858

# Harmonies

## Analogous

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



1D5148



0C5158



194F63

# Triad

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



0C5158



5D4059



53482A

# Complementary

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



0C5158



58130C

# 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.



60432F



0C5158



663D4A

# Square

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



0C5158



4B4564



673E3A



434D2E

# Rectangle

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



0C5158



2A4C67



673E3A



58462A



# Sweetspot

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



0C5158



557073



0C5812



28393B



BABABA



3B3B3B



# Same Dimension

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



0C5158



006873



0C2C58



272B2B



00616B



00D5EB



# Inverse Universe

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



580C51



730068



58380C



2B272B



6B0061

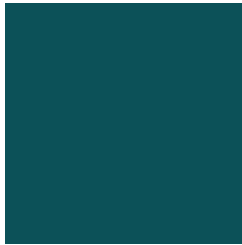


EB00D5



# Previews

## White Background



This preview shows how the Hex color 0C5158 looks on a white background.

## Color Contrast Check

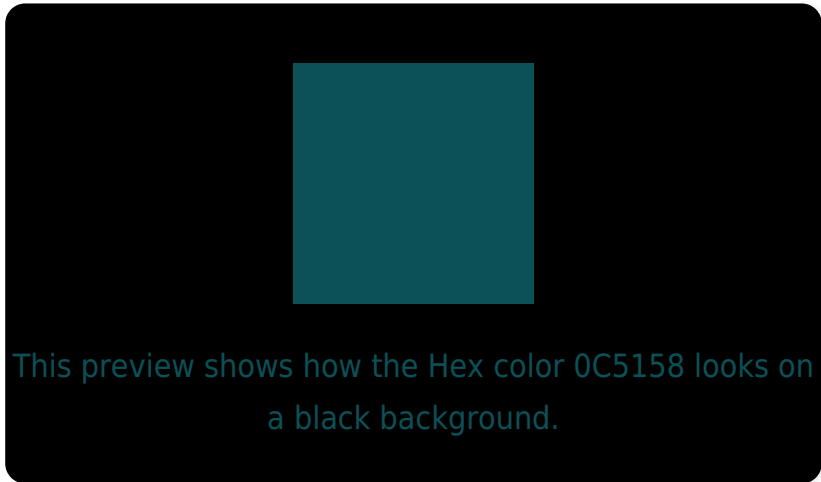
Large Text (above 18pt) WCAG AA ✓ Pass

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

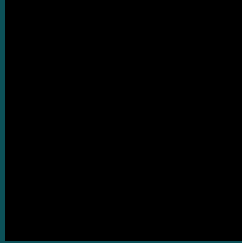
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 0C5158 Background



This preview shows how black text looks on a background with the Hex color 0C5158.



This preview shows how white text looks on a background with the Hex color 0C5158.

# 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**  
0C5158

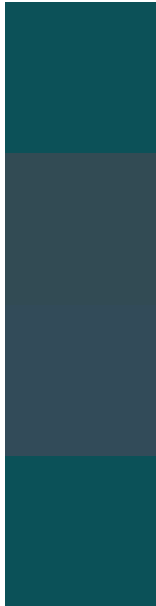
**Protanopia**  
484852

**Deuteranopia**  
47485A



**Tritanopia**  
0B5158

# Trichromacy



**Original Color**  
0C5158

**Protanomaly**  
324B54

**Deuteranomaly**  
324B59

**Tritanomaly**  
0B5158

# Monochromacy



**Original Color**  
0C5158

**Achromatopsia**  
3D3D3D

**Achromatomaly**  
2B4447

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 0C5158 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 #0C5158 looks like.

```
.text, #text, p{  
    color:#0C5158  
}
```

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 #0C5158 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #0C5158
}
```

## Border

The CSS property to change the border of an element to Hex 0C5158 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
#0C5158 }
```

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

```
.border{ border-color:#0C5158 }
```

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

Here you see how a box with a 4 pixel #0C5158 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #0C5158; -webkit-box-shadow:4px 4px  
4px 4px #0C5158; box-shadow:4px 4px 4px  
4px #0C5158 }
```

# Background

The CSS property to change the background color of an element to Hex 0C5158 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#0C5158 }
```

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

```
.background{ background-color:#0C5158 }
```

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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