

# Converting Colors

Hex(12616E)

Have a look what the booklet for  
Hex(12616E) contains.

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# Color

**Hex(12616E)**

# Conversions

## Conversions Part 1

Format	Color
Hex	12616E
RGB	18, 97, 110
RGB Percent	7%, 38%, 43%
CMY	0.9294, 0.6196, 0.5686
CMYK	0.84, 0.12, 0.00, 0.57
HSL	188°, 72%, 25%
HSV	188°, 84%, 43%
XYZ	7.3386, 9.8038, 16.2574
YIQ	74.8610, -51.2570, -12.7050

# Conversions

## Conversions Part 2

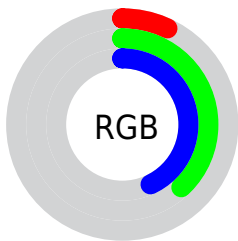
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	18, 61, 110
Decimal	1204590
CIE <sub>Lab</sub>	37.49, -17.64, -13.88
CIE <sub>LCh</sub>	37, 22.449, 218.199
Yxy	9.8038, 0.2197, 0.2935
Android (android.graphics.Color)	4279394670 (0xFF12616E)
YUV	74.8610, 17.3235, -49.8671
Hunter-Lab	31.3110, -12.9577, -8.8670

# Details

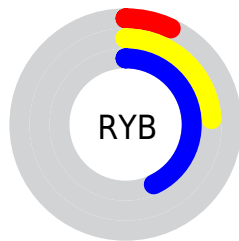
The Hex color **12616E** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **6E1F12**, and the grayscale version is **4B4B4B**.

A 20% lighter version of the original color is **5094A2**, and **00323E** is the 20% darker color. If you saturate the color by 10%, you get **075F6E**, and if you desaturate by 10%, it is **1D636E**.

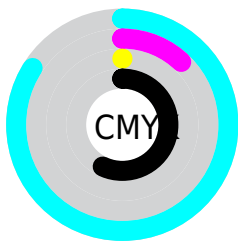
# Distribution



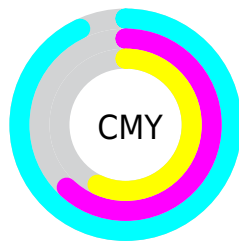
- Red (7%)
- Green (38%)
- Blue (43%)



- Red (7%)
- Yellow (24%)
- Blue (43%)



- Cyan (84%)
- Magenta (12%)
- Yellow (0%)
- Black (57%)



- Cyan (93%)
- Magenta (62%)
- Yellow (57%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 12616E 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 12616E by changing the saturation by 10% instead.



■ 12616E

■ 12616E

FFFFFF

■ 004956

■ 5094A2

■ 00323E

■ 6BAFBD

■ 001E28

■ 87CAD8

■ 000114

■ A2E6F5

■ 000000

■ BFFFFFF

■ DCFFFF

■ F9FFFF

■ 12616E

■ 12616E

■ 075F6E

■ 1D636E

■ 005E6E

■ 28646E

■ 33666E

■ 3E676E

■ 49696E

■ 546A6E

■ 5F6C6E

■ 6A6D6E

■ 756F6E

# Harmonies

## Analogous

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



1E625D



12616E



285E79

# Triad

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



12616E



734C66



5F5934

# Complementary

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



12616E



6E1F12

# 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.



705337



12616E



7B4A54

# Square

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



12616E



615275



7A4D43



4C5E3B

# Rectangle

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



12616E



3D5A7C



7A4D43



655734



# Sweetspot

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



12616E



6B8A8F



126E1E



324447



C7C7C7



474747



# Same Dimension

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



12616E



007B8F



12346E



323738



006778



00D4F7



# Inverse Universe

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



6E1261



8F007B



6E4C12



383237



780067



F700D4



# Previews

## White Background



This preview shows how the Hex color 12616E looks on a white background.

## Color Contrast Check

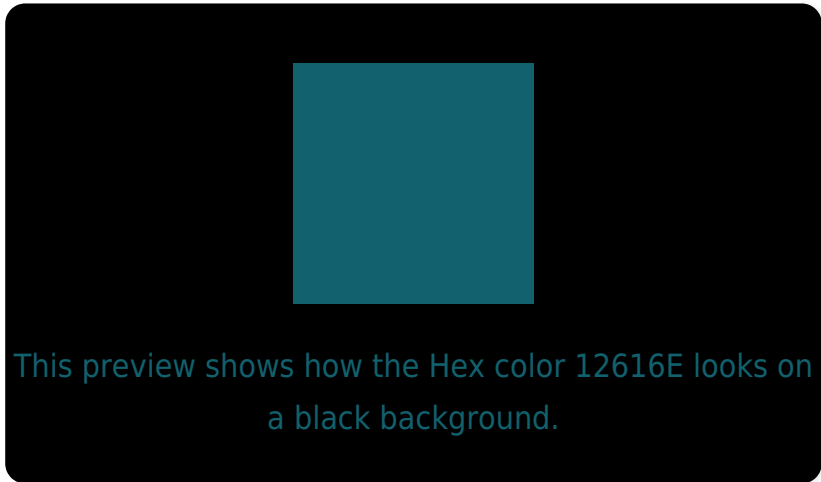
Large Text (above 18pt) WCAG AA ✓ Pass

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

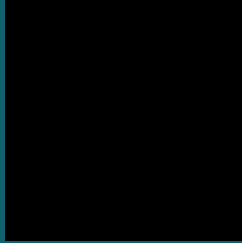
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 12616E Background



This preview shows how black text looks on a background with the Hex color 12616E.

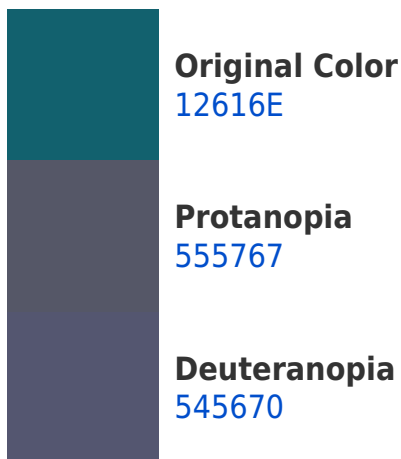


This preview shows how white text looks on a background with the Hex color 12616E.

# 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





**Tritanopia**  
0B626A

# Trichromacy



**Original Color**  
12616E

**Protanomaly**  
3D5B6A

**Deuteranomaly**  
3C5A6F

**Tritanomaly**  
0E626B

# Monochromacy



**Original Color**  
12616E

**Achromatopsia**  
4B4B4B

**Achromatomaly**  
365358

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 12616E 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 #12616E looks like.

```
.text, #text, p{  
    color:#12616E  
}
```

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 #12616E colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #12616E
}
```

## Border

The CSS property to change the border of an element to Hex 12616E 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
#12616E }
```

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

```
.border{ border-color:#12616E }
```

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

Here you see how a box with a 4 pixel #12616E colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #12616E; -webkit-box-shadow:4px 4px  
4px 4px #12616E; box-shadow:4px 4px 4px  
4px #12616E }
```

# Background

The CSS property to change the background color of an element to Hex 12616E is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#12616E }
```

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

```
.background{ background-color:#12616E }
```

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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