

# Converting Colors

Hex(106E80)

Have a look what the booklet for  
Hex(106E80) contains.

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# Color

**Hex(106E80)**

# Conversions

## Conversions Part 1

Format	Color
Hex	106E80
RGB	16, 110, 128
RGB Percent	6%, 43%, 50%
CMY	0.9373, 0.5686, 0.4980
CMYK	0.88, 0.14, 0.00, 0.50
HSL	190°, 78%, 28%
HSV	190°, 88%, 50%
XYZ	9.6859, 12.8205, 22.3862
YIQ	83.9460, -61.8020, -14.3300

# Conversions

## Conversions Part 2

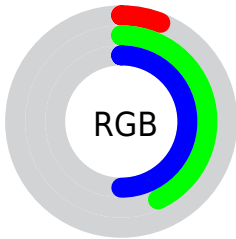
<b>Format</b>	<b>Color</b>
<b>RYB</b>	16, 67, 128
Decimal	1076864
CIELab	42.49, -18.57, -17.19
CIELCh	42, 25.311, 222.791
Yxy	12.8205, 0.2158, 0.2856
Android (android.graphics.Color)	4279266944 (0xFF106E80)
YUV	83.9460, 21.7186, -59.5886
Hunter-Lab	35.8058, -14.3737, -12.0048

# Details

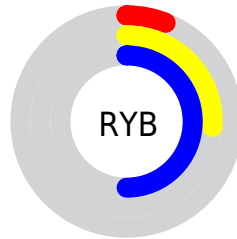
The Hex color **106E80** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **802210**, and the grayscale version is **545454**.

A 20% lighter version of the original color is **54A2B5**, and **003E4F** is the 20% darker color. If you saturate the color by 10%, you get **036C80**, and if you desaturate by 10%, it is **1D7080**.

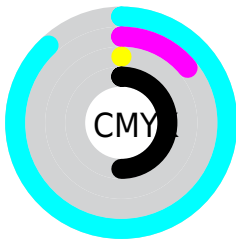
# Distribution



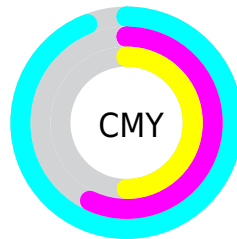
- Red (6%)
- Green (43%)
- Blue (50%)



- Red (6%)
- Yellow (26%)
- Blue (50%)



- Cyan (88%)
- Magenta (14%)
- Yellow (0%)
- Black (50%)



- Cyan (94%)
- Magenta (57%)
- Yellow (50%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 106E80 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 106E80 by changing the saturation by 10% instead.



 106E80

 106E80

FFFFFF

 005567

 54A2B5

 003E4F

 70BDD0

 002838

 8CD9ED

 001223

 A9F5FF

 00000A


 C6FFFF

 000000

 E3FFFF

 106E80

 106E80

 036C80

 1D7080

■ 006B80

■ 2A7280

■ 367480

■ 437680

■ 507880

■ 5D7A80

■ 6A7C80

■ 767E80

■ 838180

# Harmonies

## Analogous

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



1B706D



106E80



316A8C

# Triad

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



106E80



855671



69663B

# Complementary

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



106E80



802210

# 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.



7D5F3D



106E80



8D545C

# Square

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



106E80



725C83



895849



526B45

# Rectangle

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



106E80



49668E



895849



70643A



# Sweetspot

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



106E80



7B9FA6



108021



3A5054



D4D4D4



545454



# Same Dimension

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



106E80



008BA6



103780



393F40



006B80



000000



# Inverse Universe

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



80106E



A6008B



805910



40393F



80006B



000000



# Previews

## White Background



This preview shows how the Hex color 106E80 looks on a white background.

## Color Contrast Check

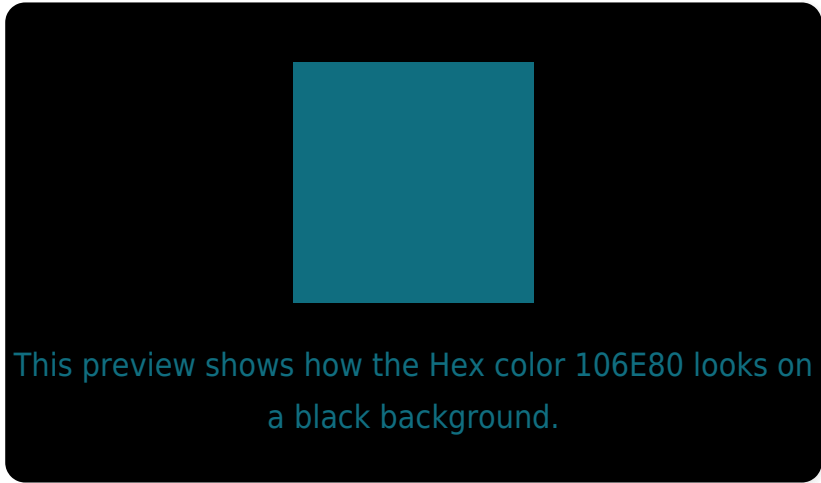
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

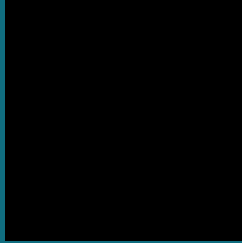
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 106E80 Background



This preview shows how black text looks on a background with the Hex color 106E80.

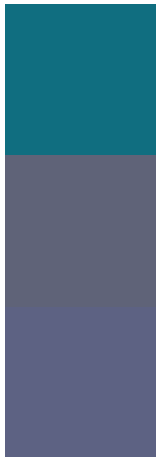


This preview shows how white text looks on a background with the Hex color 106E80.

# 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**  
106E80

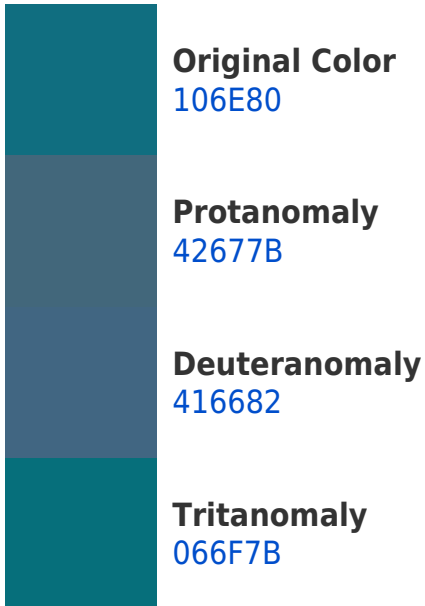
**Protanopia**  
5F6378

**Deuteranopia**  
5D6283



**Tritanopia**  
006F78

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 106E80 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 #106E80 looks like.

```
.text, #text, p{  
    color:#106E80  
}
```

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 #106E80 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #106E80
}
```

## Border

The CSS property to change the border of an element to Hex 106E80 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
#106E80 }
```

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

```
.border{ border-color:#106E80 }
```

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

Here you see how a box with a 4 pixel #106E80 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #106E80; -webkit-box-shadow:4px 4px  
4px 4px #106E80; box-shadow:4px 4px 4px  
4px #106E80 }
```

# Background

The CSS property to change the background color of an element to Hex 106E80 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#106E80 }
```

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

```
.background{ background-color:#106E80 }
```

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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