

# Converting Colors

Hex(106C81)

Have a look what the booklet for  
Hex(106C81) contains.

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# Color

**Hex(106C81)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	106C81
RGB	16, 108, 129
RGB Percent	6%, 42%, 51%
CMY	0.9373, 0.5765, 0.4941
CMYK	0.88, 0.16, 0.00, 0.49
HSL	191°, 78%, 28%
HSV	191°, 88%, 51%
XYZ	9.5387, 12.4203, 22.6635
YIQ	82.8860, -61.5730, -12.9730

# Conversions

## Conversions Part 2

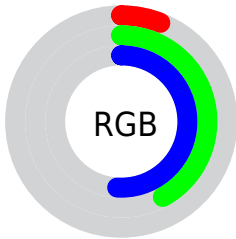
<b>Format</b>	<b>Color</b>
<b>RYB</b>	16, 67, 129
Decimal	1076353
CIELab	41.88, -17.11, -18.74
CIELCh	42, 25.377, 227.602
Yxy	12.4203, 0.2138, 0.2783
Android (android.graphics.Color)	4279266433 (0xFF106C81)
YUV	82.8860, 22.7342, -58.6590
Hunter-Lab	35.2424, -13.3614, -13.4582

# Details

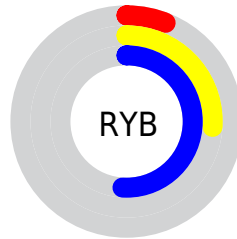
The Hex color **106C81** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **812510**, and the grayscale version is **535353**.

A 20% lighter version of the original color is **54A0B6**, and **003C50** is the 20% darker color. If you saturate the color by 10%, you get **036A81**, and if you desaturate by 10%, it is **1D6E81**.

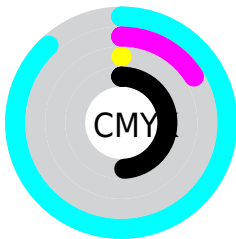
# Distribution



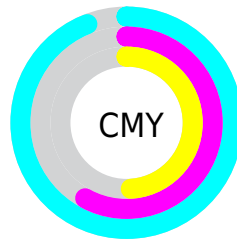
- Red (6%)
- Green (42%)
- Blue (51%)



- Red (6%)
- Yellow (26%)
- Blue (51%)



- Cyan (88%)
- Magenta (16%)
- Yellow (0%)
- Black (49%)



- Cyan (94%)
- Magenta (58%)
- Yellow (49%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 106C81 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 106C81 by changing the saturation by 10% instead.



 106C81

 106C81

FFFFFF

 005468

 54A0B6

 003C50

 70BBD2

 002639

 8CD6EE

 000F23

 A9F3FF

 00000B

 C5FFFF

 000000

 E3FFFF

 106C81

 106C81

 036A81

 1D6E81

■ 006981

■ 2A7181

■ 377381

■ 447681

■ 517881

■ 5D7A81

■ 6A7D81

■ 777F81

■ 848281

# Harmonies

## Analogous

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



136E6F



106C81



35678B

# Triad

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



106C81



86546C



64653A

# Complementary

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



106C81



812510

# 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.



785F3A



106C81



8C5357

# Square

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



106C81



74597F



865745



4D6B46

# Rectangle

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



106C81



4D638C



865745



6B6339



# Sweetspot

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



106C81



7DA0A8



108125



3A4F54



D4D4D4



545454



# Same Dimension

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



106C81



0089A8



103481



393F40



006880



000000



# Inverse Universe

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



81106C



A80089



815D10



40393F



800068



000000



# Previews

## White Background



This preview shows how the Hex color 106C81 looks on a white background.

## Color Contrast Check

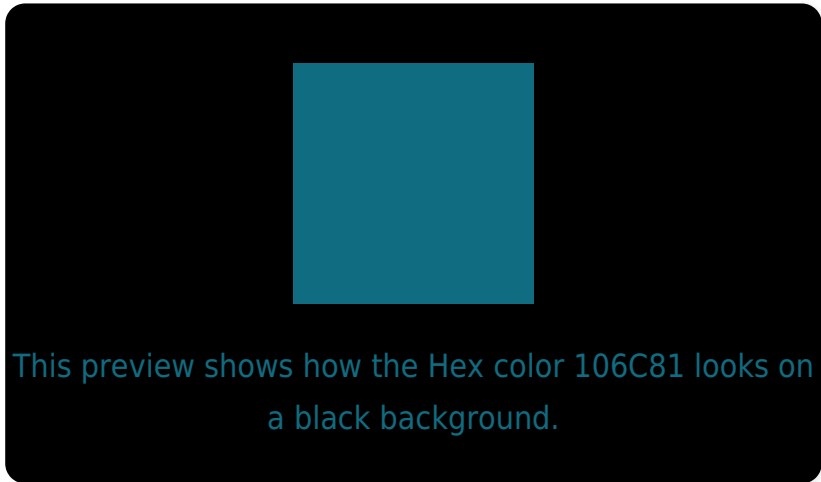
Large Text (above 18pt) WCAG AA ✓ Pass

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

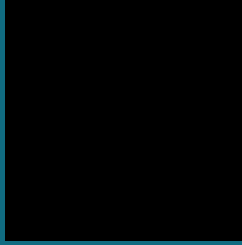
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 106C81 Background



This preview shows how black text looks on a background with the Hex color 106C81.

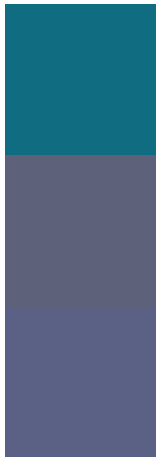


This preview shows how white text looks on a background with the Hex color 106C81.

# 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**  
106C81

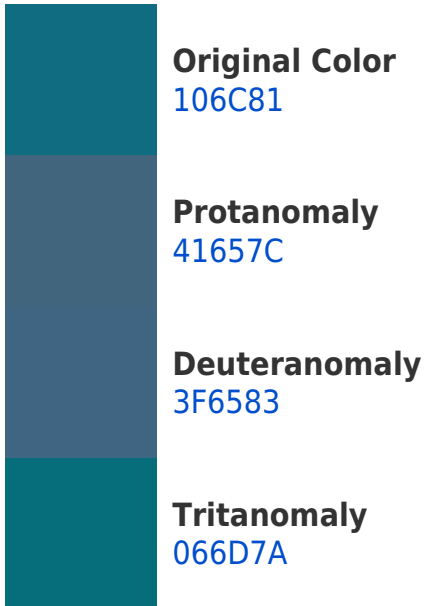
**Protanopia**  
5D6179

**Deuteranopia**  
5A6184



**Tritanopia**  
006D76

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 106C81 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 #106C81 looks like.

```
.text, #text, p{  
    color:#106C81  
}
```

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 #106C81 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #106C81
}
```

## Border

The CSS property to change the border of an element to Hex 106C81 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
#106C81 }
```

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

```
.border{ border-color:#106C81 }
```

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

Here you see how a box with a 4 pixel #106C81 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #106C81; -webkit-box-shadow:4px 4px  
4px 4px #106C81; box-shadow:4px 4px 4px  
4px #106C81 }
```

# Background

The CSS property to change the background color of an element to Hex 106C81 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#106C81 }
```

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

```
.background{ background-color:#106C81 }
```

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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