

# Converting Colors

Hex(166277)

Have a look what the booklet for  
Hex(166277) contains.

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# Color

**Hex(166277)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	166277
RGB	22, 98, 119
RGB Percent	9%, 38%, 47%
CMY	0.9137, 0.6157, 0.5333
CMYK	0.82, 0.18, 0.00, 0.53
HSL	193°, 69%, 28%
HSV	193°, 82%, 47%
XYZ	8.0283, 10.2378, 19.0057
YIQ	77.6700, -52.0370, -9.5810

# Conversions

## Conversions Part 2

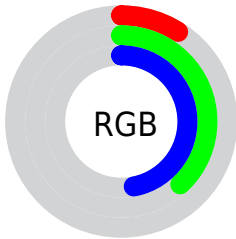
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	22, 65, 119
Decimal	1466999
CIE <sub>Lab</sub>	38.27, -14.52, -18.21
CIE <sub>LCh</sub>	38, 23.294, 231.427
Yxy	10.2378, 0.2154, 0.2747
Android (android.graphics.Color)	4279657079 (0xFF166277)
YUV	77.6700, 20.3757, -48.8226
Hunter-Lab	31.9966, -11.2064, -12.8201

# Details

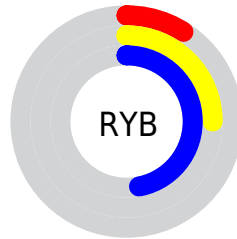
The Hex color **166277** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **772B16**, and the grayscale version is **4E4E4E**.

A 20% lighter version of the original color is **5395AB**, and **003347** is the 20% darker color. If you saturate the color by 10%, you get **0A5F77**, and if you desaturate by 10%, it is **226577**.

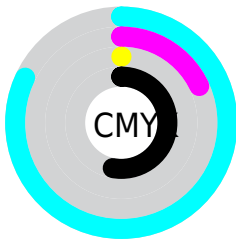
# Distribution



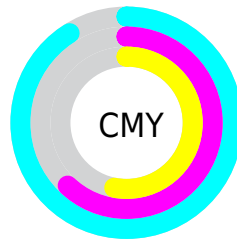
- Red (9%)
- Green (38%)
- Blue (47%)



- Red (9%)
- Yellow (25%)
- Blue (47%)



- Cyan (82%)
- Magenta (18%)
- Yellow (0%)
- Black (53%)



- Cyan (91%)
- Magenta (62%)
- Yellow (53%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 166277 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 166277 by changing the saturation by 10% instead.



166277

166277

FFFFFF

004A5E

5395AB

003347

6FAFC7

001F30

8BCBE3

00011C

A7E7FF

000000

C3FFFF

E0FFFF

FDFFFF

166277

166277

■ 0A5F77

■ 226577

■ 005D77

■ 2E6777

■ 3A6A77

■ 466C77

■ 526F77

■ 5D7177

■ 697477

■ 757777

■ 817977

# Harmonies

## Analogous

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



126467



166277



365E7F

# Triad

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



166277



7B4C60



595D36

# Complementary

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



166277



772B16

# 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.



6B5735



166277



7F4C4D

# Square

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



166277



6D5072



79513D



436242

# Rectangle

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



166277



4B597F



79513D



5F5B35



# Sweetspot

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



166277



76939C



167729



384A4F



CFCFCF



4F4F4F



# Same Dimension

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



166277



037B9C



163377



35393B



00607A



00C4FA



# Inverse Universe

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



771662



9C037B



775A16



3B3539



7A0060



FA00C4



# Previews

## White Background



This preview shows how the Hex color 166277 looks on a white background.

## Color Contrast Check

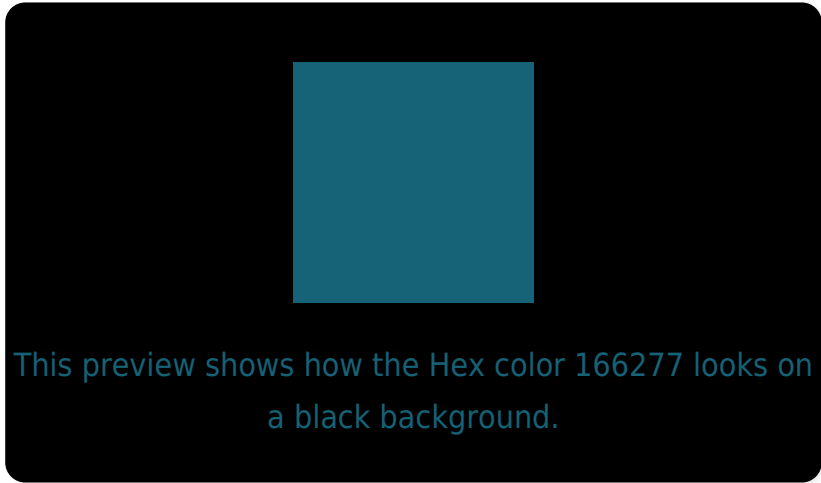
Large Text (above 18pt) WCAG AA ✓ Pass

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

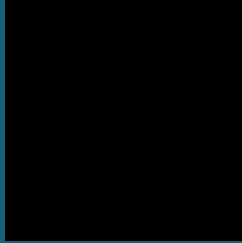
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

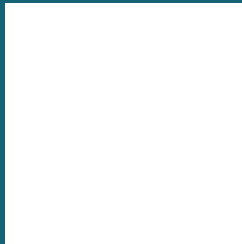
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 166277 Background



This preview shows how black text looks on a background with the Hex color 166277.

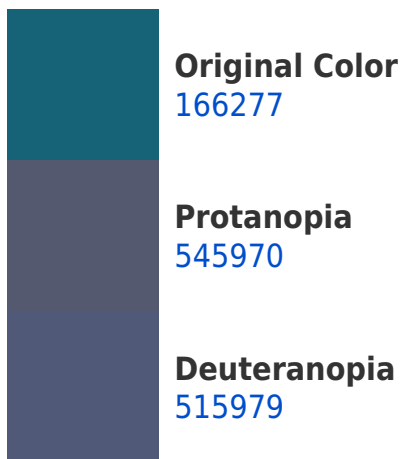


This preview shows how white text looks on a background with the Hex color 166277.

# 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](#).

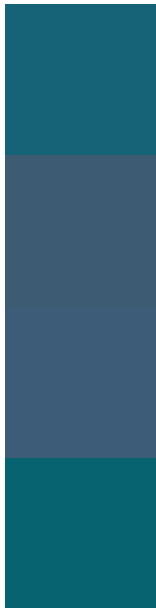
## Dichromacy





**Tritanopia**  
00646C

# Trichromacy



**Original Color**  
166277

**Protanomaly**  
3D5C73

**Deuteranomaly**  
3C5C78

**Tritanomaly**  
086370

# Monochromacy



**Original Color**  
166277

**Achromatopsia**  
4E4E4E

**Achromatomaly**  
3A555D

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 166277 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 #166277 looks like.

```
.text, #text, p{  
    color:#166277  
}
```

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 #166277 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #166277  
}
```

## Border

The CSS property to change the border of an element to Hex 166277 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  
#166277 }
```

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

```
.border{ border-color:#166277 }
```

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

Here you see how a box with a 4 pixel #166277 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #166277; -webkit-box-shadow:4px 4px  
4px 4px #166277; box-shadow:4px 4px 4px  
4px #166277 }
```

# Background

The CSS property to change the background color of an element to Hex 166277 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#166277 }
```

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

```
.background{ background-color:#166277 }
```

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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