

# Converting Colors

Hex(166F87)

Have a look what the booklet for  
Hex(166F87) contains.

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# Color

**Hex(166F87)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	166F87
RGB	22, 111, 135
RGB Percent	9%, 44%, 53%
CMY	0.9137, 0.5647, 0.4706
CMYK	0.84, 0.18, 0.00, 0.47
HSL	193°, 72%, 31%
HSV	193°, 84%, 53%
XYZ	10.3885, 13.2887, 24.9391
YIQ	87.1250, -60.7480, -11.4040

# Conversions

## Conversions Part 2

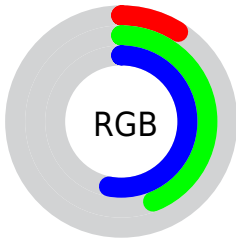
<b>Format</b>	<b>Color</b>
<b>RYB</b>	22, 72, 135
Decimal	1470343
CIELab	43.20, -16.09, -20.31
CIElCh	43, 25.910, 231.609
Yxy	13.2887, 0.2137, 0.2733
Android (android.graphics.Color)	4279660423 (0xFF166F87)
YUV	87.1250, 23.6024, -57.1146
Hunter-Lab	36.4537, -12.9255, -15.0446

# Details

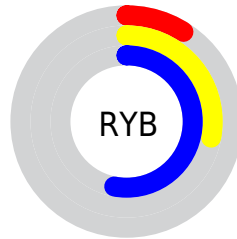
The Hex color **166F87** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **872E16**, and the grayscale version is **575757**.

A 20% lighter version of the original color is **58A3BC**, and **003F55** is the 20% darker color. If you saturate the color by 10%, you get **096C87**, and if you desaturate by 10%, it is **247287**.

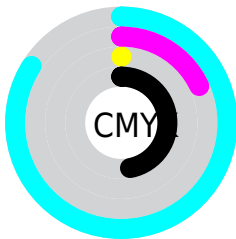
# Distribution



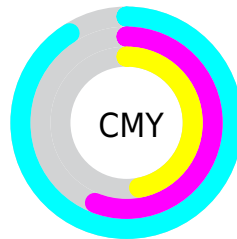
- Red (9%)
- Green (44%)
- Blue (53%)



- Red (9%)
- Yellow (28%)
- Blue (53%)



- Cyan (84%)
- Magenta (18%)
- Yellow (0%)
- Black (47%)



- Cyan (91%)
- Magenta (56%)
- Yellow (47%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 166F87 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 166F87 by changing the saturation by 10% instead.



■ 166F87

■ 166F87

FFFFFF

■ 00576E

■ 58A3BC

■ 003F55

■ 74BED8

■ 00293E

■ 90DAF5

■ 001528

■ ADF6FF

■ 000113

■ CAFFFF

■ 000000

■ E7FFFF

■ 166F87

■ 166F87

■ 096C87

■ 247287

006A87

317587

3F7887

4C7A87

5A7D87

678087

758387

828687

908987

# Harmonies

## Analogous

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



107175



166F87



3C6A90

# Triad

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



166F87



8C566D



646A3D

# Complementary

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



166F87



872E16

# 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.



7A633C



166F87



905657

# Square

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



166F87



7B5B81



895B45



4C6E4B

# Rectangle

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



166F87



556590



895B45



6C673B



# Sweetspot

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



166F87



84A7B0



16872D



3E5459



D9D9D9



595959



# Same Dimension

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



166F87



008BB0



163887



3C4142



006682



000203



# Inverse Universe

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



87166F



B0008B



876516



423C41



820066



030002



# Previews

## White Background



This preview shows how the Hex color 166F87 looks on a white background.

## Color Contrast Check

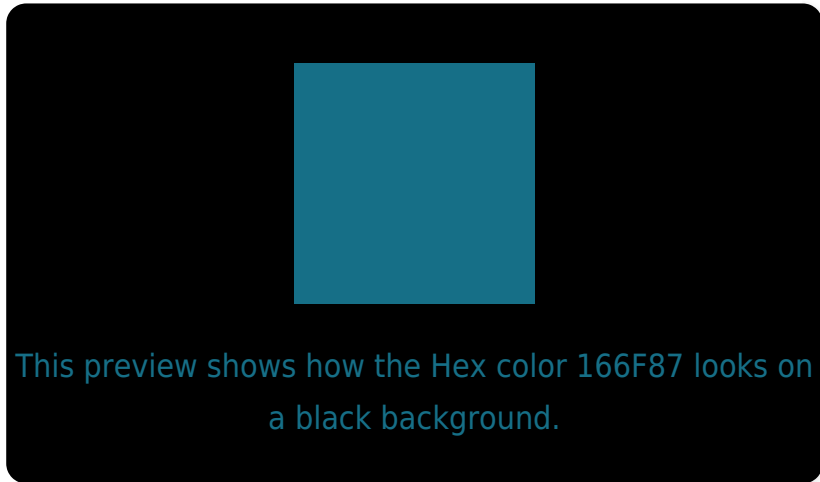
Large Text (above 18pt) WCAG AA ✓ Pass

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

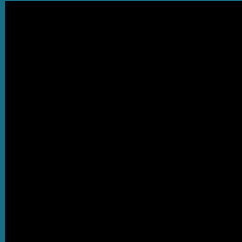
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 166F87 Background



This preview shows how black text looks on a background with the Hex color 166F87.

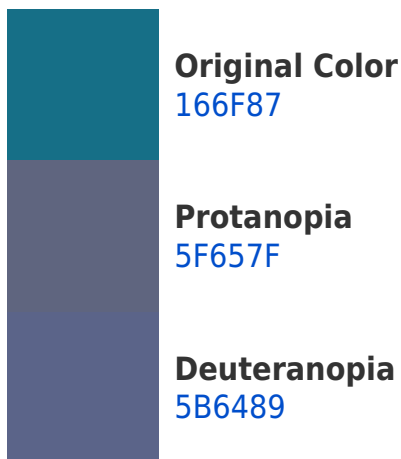


This preview shows how white text looks on a background with the Hex color 166F87.

# 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





# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 166F87 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 #166F87 looks like.

```
.text, #text, p{  
    color:#166F87  
}
```

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 #166F87 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #166F87
}
```

## Border

The CSS property to change the border of an element to Hex 166F87 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
#166F87 }
```

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

```
.border{ border-color:#166F87 }
```

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

Here you see how a box with a 4 pixel #166F87 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #166F87; -webkit-box-shadow:4px 4px  
4px 4px #166F87; box-shadow:4px 4px 4px  
4px #166F87 }
```

# Background

The CSS property to change the background color of an element to Hex 166F87 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#166F87 }
```

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

```
.background{ background-color:#166F87 }
```

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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