

# Converting Colors

Hex(37668A)

Have a look what the booklet for  
Hex(37668A) contains.

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# Color

**Hex(37668A)**

# Conversions

## Conversions Part 1

Format	Color
Hex	37668A
RGB	55, 102, 138
RGB Percent	22%, 40%, 54%
CMY	0.7843, 0.6000, 0.4588
CMYK	0.60, 0.26, 0.00, 0.46
HSL	206°, 43%, 38%
HSV	206°, 60%, 54%
XYZ	10.9144, 12.1499, 25.8147
YIQ	92.0510, -39.5680, 1.2320

# Conversions

## Conversions Part 2

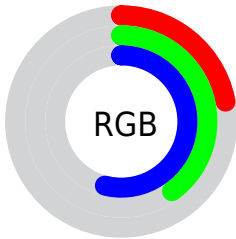
<b>Format</b>	<b>Color</b>
<b>RYB</b>	55, 85, 138
Decimal	3630730
CIELab	41.45, -4.62, -24.73
CIELCh	41, 25.154, 259.426
Yxy	12.1499, 0.2233, 0.2486
Android (android.graphics.Color)	4281820810 (0xFF37668A)
YUV	92.0510, 22.6529, -32.4937
Hunter-Lab	34.8568, -5.1074, -19.5100

# Details

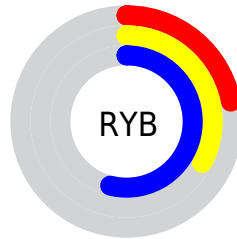
The Hex color **37668A** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **8A5B37**, and the grayscale version is **5C5C5C**.

A 20% lighter version of the original color is **6D99C0**, and **003758** is the 20% darker color. If you saturate the color by 10%, you get **29608A**, and if you desaturate by 10%, it is **456C8A**.

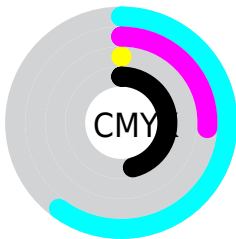
# Distribution



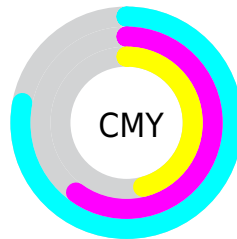
- Red (22%)
- Green (40%)
- Blue (54%)



- Red (22%)
- Yellow (33%)
- Blue (54%)



- Cyan (60%)
- Magenta (26%)
- Yellow (0%)
- Black (46%)



- Cyan (78%)
- Magenta (60%)
- Yellow (46%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 37668A 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 37668A by changing the saturation by 10% instead.



■ 37668A

■ 37668A

FFFFFF

■ 194E70

■ 6D99C0

■ 003758

■ 88B4DC

■ 002240

■ A4CFF8

■ 000C2A

■ C0EBFF

■ 000115

■ DCFFFF

■ 000000

■ FAFFFF

■ 37668A

■ 37668A

■ 29608A

■ 456C8A

■ 1B5A8A

■ 53728A

■ 0E548A

■ 60788A

■ 004E8A

■ 6E7E8A

■ 7C848A

■ 8A8A8A

■ 98908A

■ A5968A

■ B39C8A

# Harmonies

## Analogous

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



126B81



37668A



5A5F89

# Triad

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



37668A



8A5255



4A6A46

# Complementary

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



37668A



8A5B37

# 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.



62653A



37668A



845743

# Square

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



37668A



85526A



765E39



306C5A

# Rectangle

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



37668A



6D5A82



765E39



526841



# Sweetspot

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



37668A



92A5B3



378A5B



465159



D9D9D9



595959



# Same Dimension

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



37668A



327BB3



373D8A



3E4245



004B85



000305



# Inverse Universe

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



8A3766



B3327B



8A8437



453E42



85004B



050003



# Previews

## White Background



This preview shows how the Hex color 37668A looks on a white background.

## Color Contrast Check

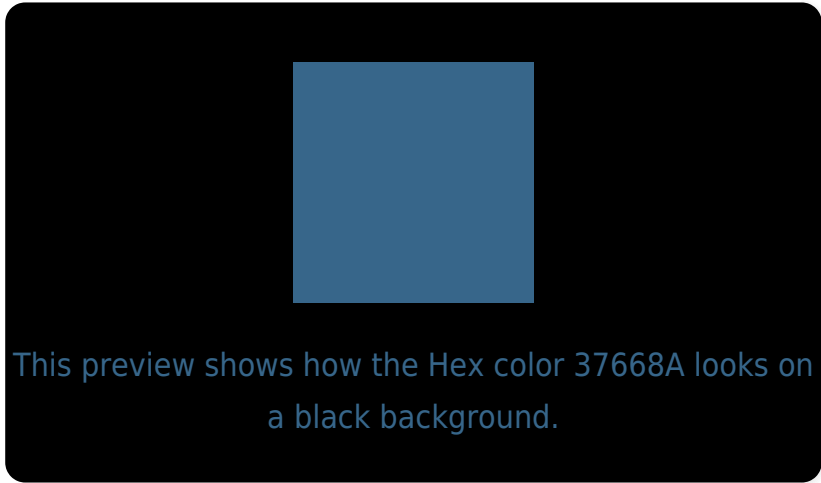
Large Text (above 18pt) WCAG AA ✓ Pass

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

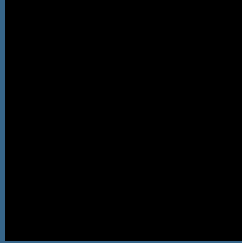
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

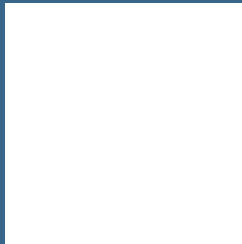
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 37668A Background



This preview shows how black text looks on a background with the Hex color 37668A.

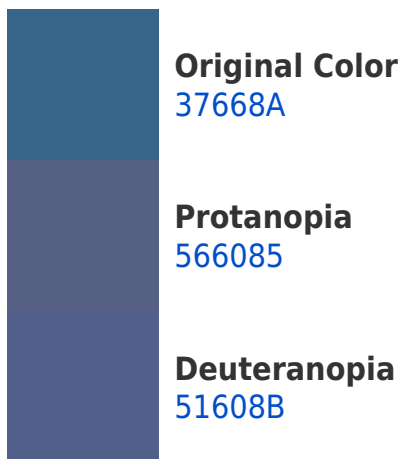



This preview shows how white text looks on a background with the Hex color 37668A.

# 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](#).

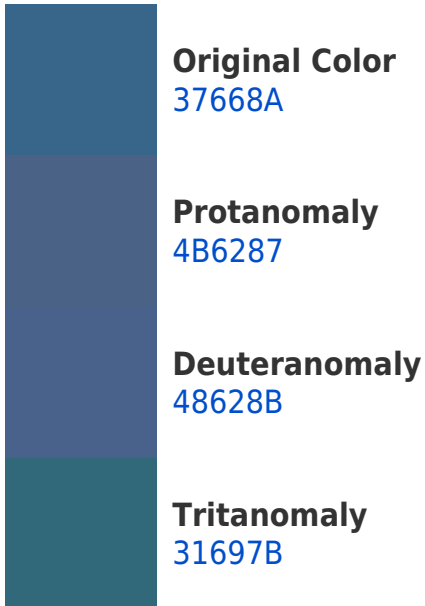
## Dichromacy



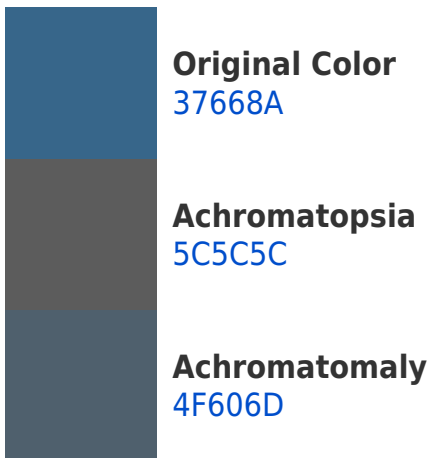


**Tritanopia**  
2D6A73

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 37668A 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 #37668A looks like.

```
.text, #text, p{  
    color:#37668A  
}
```

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 #37668A colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #37668A
}
```

## Border

The CSS property to change the border of an element to Hex 37668A 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
#37668A }
```

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

```
.border{ border-color:#37668A }
```

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

Here you see how a box with a 4 pixel #37668A colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #37668A; -webkit-box-shadow:4px 4px  
4px 4px #37668A; box-shadow:4px 4px 4px  
4px #37668A }
```

# Background

The CSS property to change the background color of an element to Hex 37668A is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#37668A }
```

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

```
.background{ background-color:#37668A }
```

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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