

# Converting Colors

Hex(737480)

Have a look what the booklet for  
Hex(737480) contains.

<b>Hex(737480)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	23
<b><i>Color Blindness Simulation</i></b> .....	26
<b><i>CSS Examples</i></b> .....	29

# Color

**Hex(737480)**

# Conversions

## Conversions Part 1

Format	Color
Hex	737480
RGB	115, 116, 128
RGB Percent	45%, 45%, 50%
CMY	0.5490, 0.5451, 0.4980
CMYK	0.10, 0.09, 0.00, 0.50
HSL	235°, 5%, 48%
HSV	235°, 10%, 50%
XYZ	17.2119, 17.6941, 22.9302
YIQ	117.0690, -4.4480, 3.5200

# Conversions

## Conversions Part 2

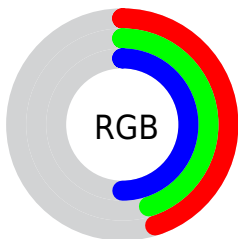
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	115, 116, 128
Decimal	7566464
CIE Lab	49.12, 2.18, -6.71
CIE LCh	49, 7.054, 287.969
Yxy	17.6941, 0.2976, 0.3059
Android (android.graphics.Color)	4285756544 (0xFF737480)
YUV	117.0690, 5.3890, -1.8145
Hunter-Lab	42.0644, -0.5741, -2.8752

# Details

The Hex color **737480** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **807F73**, and the grayscale version is **757575**.

A 20% lighter version of the original color is **A7A8B5**, and **43444F** is the 20% darker color. If you saturate the color by 10%, you get **666880**, and if you desaturate by 10%, it is **808080**.

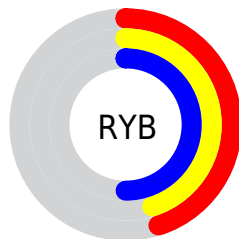
# Distribution



Red (45%)

Green (45%)

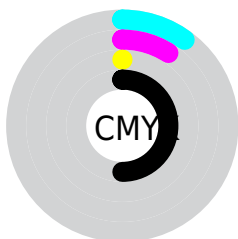
Blue (50%)



Red (45%)

Yellow (45%)

Blue (50%)

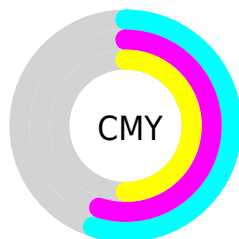


Cyan (10%)

Magenta (9%)

Yellow (0%)

Black (50%)



Cyan (55%)

Magenta (55%)

Yellow (50%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 737480 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 737480 by changing the saturation by 10% instead.



■ 737480

■ 737480

FFFFFF

■ 5A5B67

■ A7A8B5

■ 43444F

■ C2C3D0

■ 2D2E38

■ DEDFED

■ 181923

■ FBFCFF

■ 00000C

■ 000000

■ 737480

■ 737480

■ 666880

■ 808080

■ 595C80

■ 8D8C80

■ 4D5180

■ 999780

■ 404580

■ A6A380

■ 333980

■ B3AF80

■ 262D80

■ C0BB80

■ 192180

■ CDC780

■ 0D1580

■ D9D380

■ 000A80

■ E6DE80

# Harmonies

## Analogous

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



6C7680



737480



7A727D

# Triad

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



737480



81726C



697872

# Complementary

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



737480



807F73

# Split Complementary

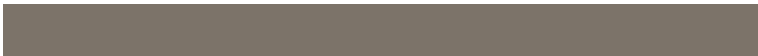
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



6F776D



737480



7C7369

# Square

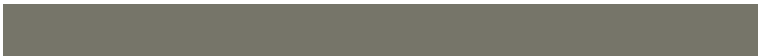
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



737480



827171



767569



667878

# Rectangle

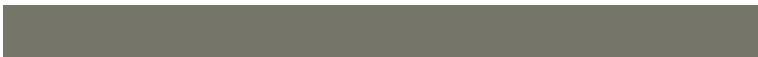
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



737480



7E7179



767569



6B7870



# Sweetspot

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



737480



A1A1A6



73807F



515154



D4D4D4



545454



# Same Dimension

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



737480



9293A6



787380



393A40



000A80



000000



# Inverse Universe

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



807374



A69293



7B8073



40393A



80000A



000000



# Previews

## White Background



This preview shows how the Hex color 737480 looks on a white background.

## Color Contrast Check

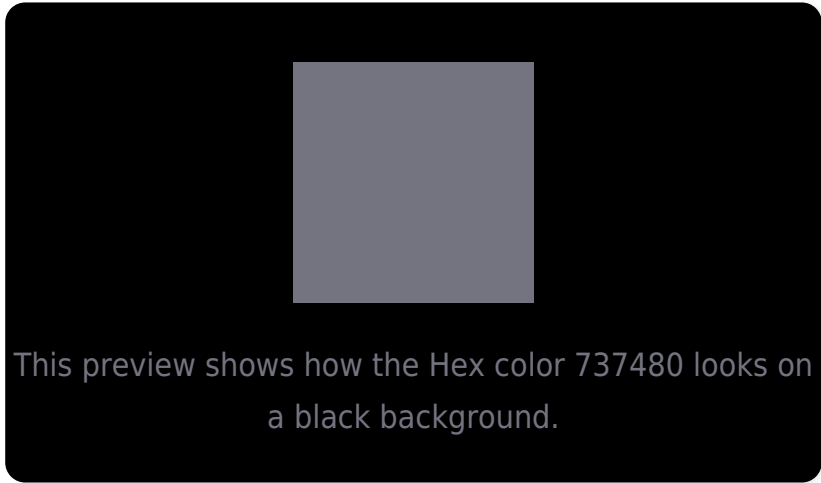
Large Text (above 18pt) WCAG AA ✓ Pass

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 ✓ Pass

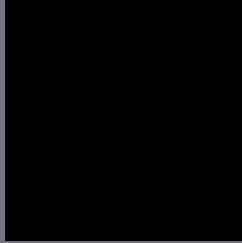
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

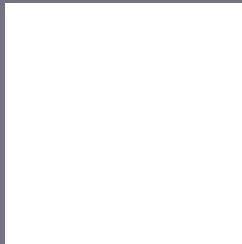
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 737480 Background



This preview shows how black text looks on a background with the Hex color 737480.



This preview shows how white text looks on a background with the Hex color 737480.

# 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**  
737480

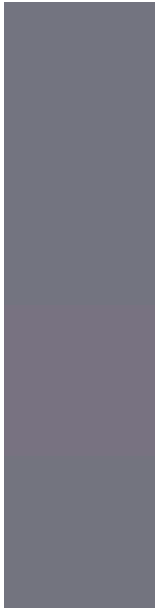
**Protanopia**  
737480

**Deuteranopia**  
7B7181



**Tritanopia**  
73747E

# Trichromacy



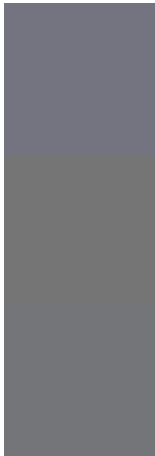
**Original Color**  
737480

**Protanomaly**  
737480

**Deuteranomaly**  
787281

**Tritanomaly**  
73747F

# Monochromacy



**Original Color**  
737480

**Achromatopsia**  
757575

**Achromatomaly**  
747579

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 737480 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 #737480 looks like.

```
.text, #text, p{  
  color:#737480  
}
```

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 #737480 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #737480
}
```

## Border

The CSS property to change the border of an element to Hex 737480 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
#737480 }
```

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

```
.border{ border-color:#737480 }
```

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

Here you see how a box with a 4 pixel #737480 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #737480; -webkit-box-shadow:4px 4px  
4px 4px #737480; box-shadow:4px 4px 4px  
4px #737480 }
```

# Background

The CSS property to change the background color of an element to Hex 737480 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#737480 }
```

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

```
.background{ background-color:#737480 }
```

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](#).



Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor