

# Converting Colors

Hex(22706C)

Have a look what the booklet for  
Hex(22706C) contains.

<b>Hex(22706C)</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(22706C)

# Conversions

## Conversions Part 1

Format	Color
Hex	22706C
RGB	34, 112, 108
RGB Percent	13%, 44%, 42%
CMY	0.8667, 0.5608, 0.5765
CMYK	0.70, 0.00, 0.04, 0.56
HSL	177°, 53%, 29%
HSV	177°, 70%, 44%
XYZ	9.1606, 13.0111, 16.2159
YIQ	88.2220, -45.2040, -17.7800

# Conversions

## Conversions Part 2

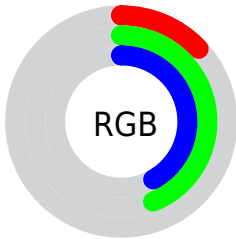
<b>Format</b>	<b>Color</b>
<b>RYB</b>	34, 74, 112
Decimal	2257004
CIELab	42.78, -24.12, -4.67
CIELCh	43, 24.565, 190.954
Yxy	13.0111, 0.2386, 0.3389
Android (android.graphics.Color)	4280447084 (0xFF22706C)
YUV	88.2220, 9.7506, -47.5527
Hunter-Lab	36.0709, -17.7920, -1.4046

# Details

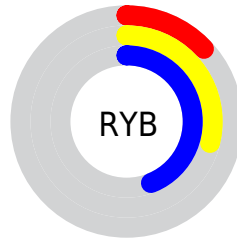
The Hex color **22706C** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **702226**, and the grayscale version is **585858**.

A 20% lighter version of the original color is **5BA49F**, and **00403D** is the 20% darker color. If you saturate the color by 10%, you get **17706B**, and if you desaturate by 10%, it is **2D706D**.

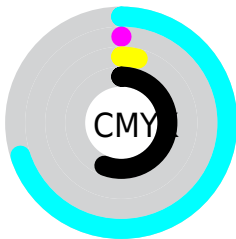
# Distribution



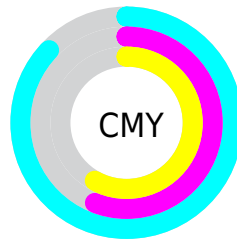
- Red (13%)
- Green (44%)
- Blue (42%)



- Red (13%)
- Yellow (29%)
- Blue (44%)



- Cyan (70%)
- Magenta (0%)
- Yellow (4%)
- Black (56%)



- Cyan (87%)
- Magenta (56%)
- Yellow (58%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 22706C 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 22706C by changing the saturation by 10% instead.



 22706C

 22706C

FFFFFF

 005754

 5BA49F

 00403D

 76BFBA

 002927

 91DBD6

 001213

 ADF8F2

 000000

 C9FFFF

 E6FFFF

 22706C

 22706C

 17706B

 2D706D

0C706B

38706D

00706A

44706E

4F706E

5A706F

65706F

707070

7C7071

877071

# Harmonies

## Analogous

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



3C6F57



22706C



186F7F

# Triad

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



22706C



715D84



7E5F3F

# Complementary

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



22706C



702226

# 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.



8A594B



22706C



845773

# Square

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



22706C



54648D



8D555E



6B663D

# Rectangle

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



22706C



286C88



8D555E



835D42



# Sweetspot

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



22706C



739190



277022



374A49



C9C9C9



4A4A4A



# Same Dimension

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



22706C



17918B



224E70



323838



007872



00F7EB



# Inverse Universe

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



702226



91171E



704422



383233



780006

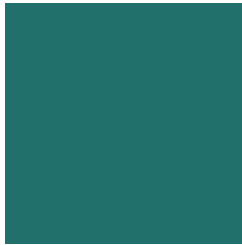


F7000D



# Previews

## White Background



This preview shows how the Hex color 22706C looks on a white background.

## Color Contrast Check

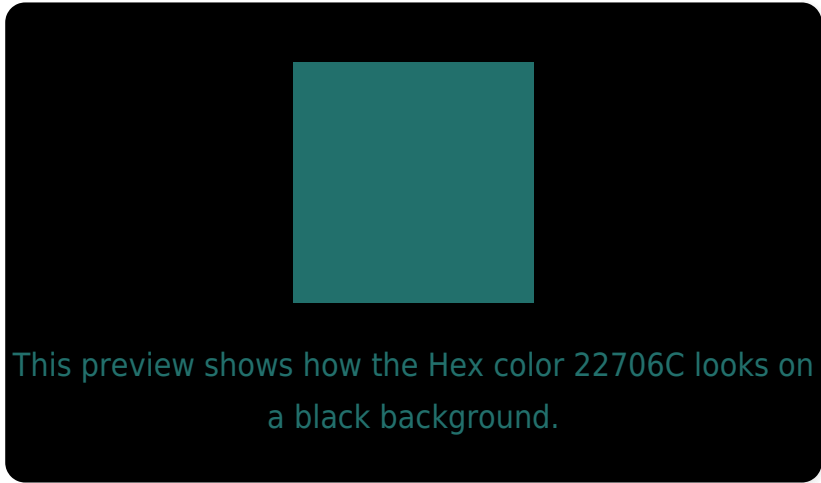
Large Text (above 18pt) WCAG AA ✓ Pass

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

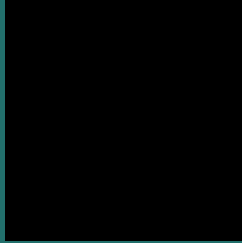
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 22706C Background



This preview shows how black text looks on a background with the Hex color 22706C.



This preview shows how white text looks on a background with the Hex color 22706C.

# 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**  
22706C

**Protanopia**  
666465

**Deuteranopia**  
69626F



**Tritanopia**  
286E77

# Trichromacy



**Original Color**  
22706C

**Protanomaly**  
4D6868

**Deuteranomaly**  
4F676E

**Tritanomaly**  
266F73

# Monochromacy



**Original Color**  
22706C

**Achromatopsia**  
585858

**Achromatomaly**  
44615F

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 22706C 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 #22706C looks like.

```
.text, #text, p{  
    color:#22706C  
}
```

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 #22706C colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #22706C
}
```

## Border

The CSS property to change the border of an element to Hex 22706C 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
#22706C }
```

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

```
.border{ border-color:#22706C }
```

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

Here you see how a box with a 4 pixel #22706C colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #22706C; -webkit-box-shadow:4px 4px  
4px 4px #22706C; box-shadow:4px 4px 4px  
4px #22706C }
```

# Background

The CSS property to change the background color of an element to Hex 22706C is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#22706C }
```

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

```
.background{ background-color:#22706C }
```

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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