

# Converting Colors

Hex(25506E)

Have a look what the booklet for  
Hex(25506E) contains.

<b>Hex(25506E)</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(25506E)**

# Conversions

## Conversions Part 1

Format	Color
Hex	25506E
RGB	37, 80, 110
RGB Percent	15%, 31%, 43%
CMY	0.8549, 0.6863, 0.5686
CMYK	0.66, 0.27, 0.00, 0.57
HSL	205°, 50%, 29%
HSV	205°, 66%, 43%
XYZ	6.4461, 7.2564, 15.8127
YIQ	70.5630, -35.2580, 0.2140

# Conversions

## Conversions Part 2

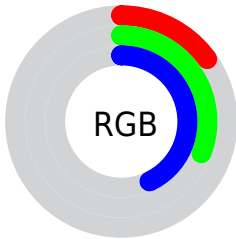
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	37, 64, 110
Decimal	2445422
CIE <sub>Lab</sub>	32.38, -4.65, -21.71
CIE <sub>LCh</sub>	32, 22.198, 257.914
Yxy	7.2564, 0.2184, 0.2459
Android (android.graphics.Color)	4280635502 (0xFF25506E)
YUV	70.5630, 19.4424, -29.4348
Hunter-Lab	26.9378, -4.4268, -15.9474




# Details

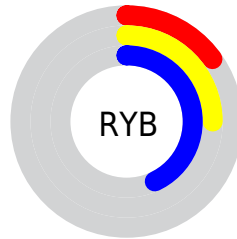
The Hex color **25506E** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **6E4325**, and the grayscale version is **464646**.




A 20% lighter version of the original color is **5A81A2**, and **00243E** is the 20% darker color. If you saturate the color by 10%, you get **1A4B6E**, and if you desaturate by 10%, it is **30556E**.

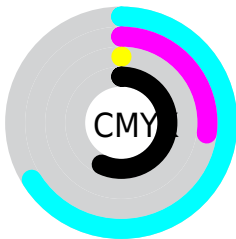
# Distribution







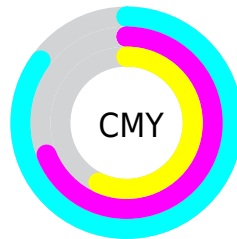
-  Red (15%)
-  Green (31%)
-  Blue (43%)






-  Red (15%)
-  Yellow (25%)
-  Blue (43%)



-  Cyan (66%)
-  Magenta (27%)
-  Yellow (0%)
-  Black (57%)



-  Cyan (85%)
-  Magenta (69%)
-  Yellow (57%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 25506E 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 25506E by changing the saturation by 10% instead.



■ 25506E

■ 25506E

FFFFFF

■ 023956

■ 5A81A2

■ 00243E

■ 749BBB

■ 000E28

■ 8FB6D9

■ 000113

■ ABD1F5

■ 000000

■ C7EEFF

■ E3FFFF

■ 25506E

■ 25506E

■ 1A4B6E

■ 30556E

■ 0F476E

■ 3B596E

■ 04426E

■ 465E6E

■ 00416E

■ 51626E

■ 5C676E

■ 676B6E

■ 72706E

■ 7D746E

■ 88796E

# Harmonies

## Analogous

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



005466



25506E



444A6D

# Triad

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



25506E



6E3F42



395334

# Complementary

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



25506E



6E4325

# 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.



4D4E2A



25506E



6A4333

# Square

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



25506E



6A3F54



5E492A



225544

# Rectangle

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



25506E



544668



5E492A



405130



# Sweetspot

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



25506E



72838F



256E42



364047



C7C7C7



474747



# Same Dimension

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



25506E



1D608F



252C6E



323638



004778



0092F7



# Inverse Universe

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



6E2550



8F1D60



6E6725



383236



780047

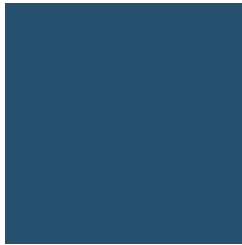


F70092



# Previews

## White Background



This preview shows how the Hex color 25506E looks on a white background.

### Color Contrast Check

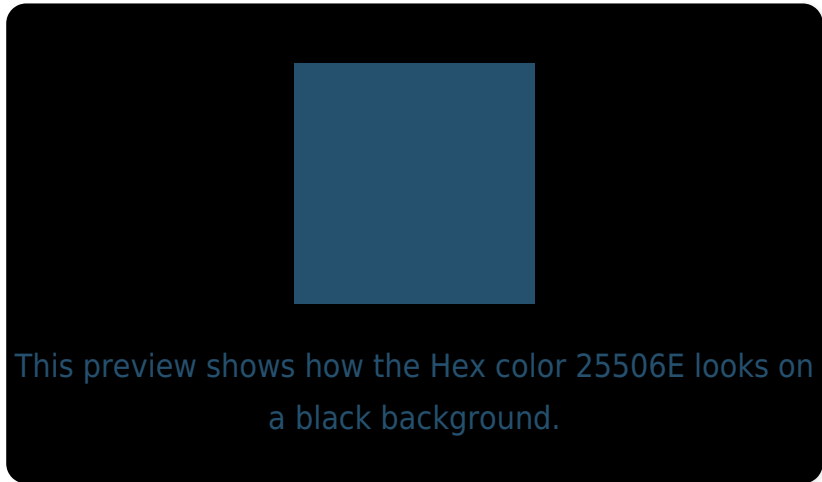
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 25506E Background



This preview shows how black text looks on a background with the Hex color 25506E.



This preview shows how white text looks on a background with the Hex color 25506E.

# 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**  
25506E

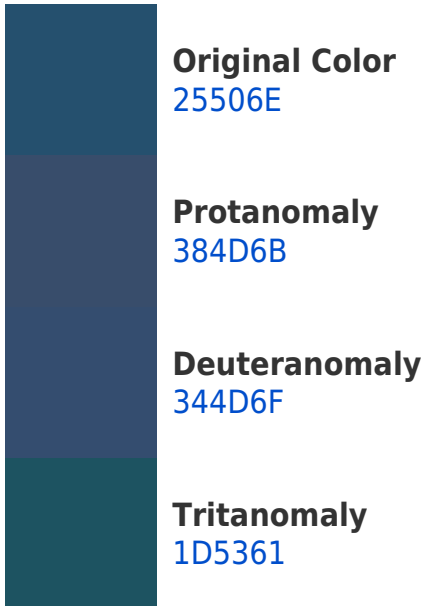
**Protanopia**  
434B6A

**Deuteranopia**  
3D4B6F



**Tritanopia**  
19545A

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 25506E 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 #25506E looks like.

```
.text, #text, p{  
    color:#25506E  
}
```

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 #25506E colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #25506E
}
```

## Border

The CSS property to change the border of an element to Hex 25506E is called "border". The border property can be set on classes, ids or directly on the HTML element.

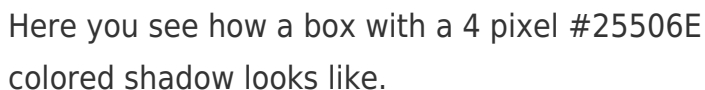
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#25506E }
```

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

```
.border{ border-color:#25506E }
```

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



Here you see how a box with a 4 pixel #25506E colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #25506E; -webkit-box-shadow:4px 4px  
4px 4px #25506E; box-shadow:4px 4px 4px  
4px #25506E }
```

# Background

The CSS property to change the background color of an element to Hex 25506E is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#25506E }
```

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

```
.background{ background-color:#25506E }
```

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