

Converting Colors

Hex(00566D)

Have a look what the booklet for
Hex(00566D) contains.

Hex(00566D)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

Hex(00566D)

Conversions

Conversions Part 1

Format	Color
Hex	00566D
RGB	0, 86, 109
RGB Percent	0%, 34%, 43%
CMY	1.0000, 0.6627, 0.5725
CMYK	1.00, 0.21, 0.00, 0.57
HSL	193°, 100%, 21%
HSV	193°, 100%, 43%
XYZ	6.0881, 7.7597, 15.6449
YIQ	62.9080, -58.6390, -11.0790

Conversions

Conversions Part 2

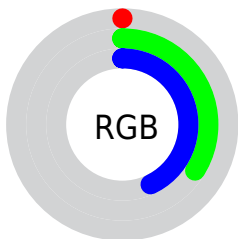
Format	Color
RYB	0, 48, 109
Decimal	22125
CIELab	33.48, -13.21, -19.45
CIELCh	33, 23.509, 235.816
Yxy	7.7597, 0.2064, 0.2631
Android (android.graphics.Color)	4278212205 (0xFF00566D)
YUV	62.9080, 22.7234, -55.1703
Hunter-Lab	27.8562, -9.7365, -13.7997

Details

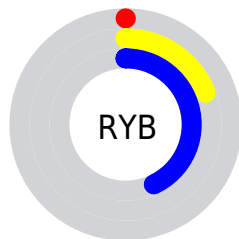
The Hex color **00566D** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **6D1700**, and the grayscale version is **3F3F3F**.

A 20% lighter version of the original color is **4888A1**, and **00293D** is the 20% darker color. If you saturate the color by 10%, you get **00566D**, and if you desaturate by 10%, it is **0B586D**.

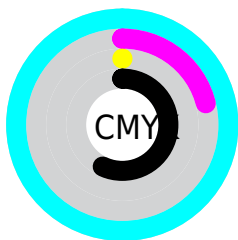
Distribution



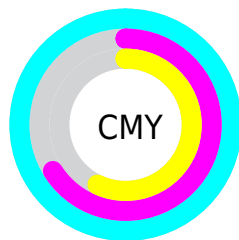
- Red (0%)
- Green (34%)
- Blue (43%)



- Red (0%)
- Yellow (19%)
- Blue (43%)



- Cyan (100%)
- Magenta (21%)
- Yellow (0%)
- Black (57%)



- Cyan (100%)
- Magenta (66%)
- Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the Hex color 00566D 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 00566D by changing the saturation by 10% instead.

00566D

00566D

FFFFFF

003F55

4888A1

00293D

63A2BC

001527

7FBDD7

000112

9BD9F4

000000

B7F5FF

D4FFFF

F1FFFF

00566D

■ 0B586D

■ 165B6D

■ 215D6D

■ 2C5F6D

■ 37626D

■ 41646D

■ 4C666D

■ 57686D

■ 626B6D

Harmonies

Analogous

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



00585E



00566D



2D5174

Triad

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



00566D



704052



4A522C

Complementary

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



00566D



6D1700

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.



5D4D29



00566D



72413F

Square

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



00566D



644464



6B4631



345639

Rectangle

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



00566D



434D72



6B4631



51512A

Sweetspot

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



00566D



64868F



006D16



2E4247



C7C7C7



474747

Same Dimension

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



00566D



00718F



00216D



303436



005D75



00C1F5

Inverse Universe

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



6D0056



8F0071



6D4C00



363034



75005D



F500C1

Previews

White Background



This preview shows how the Hex color 00566D looks on a white background.

Color Contrast Check

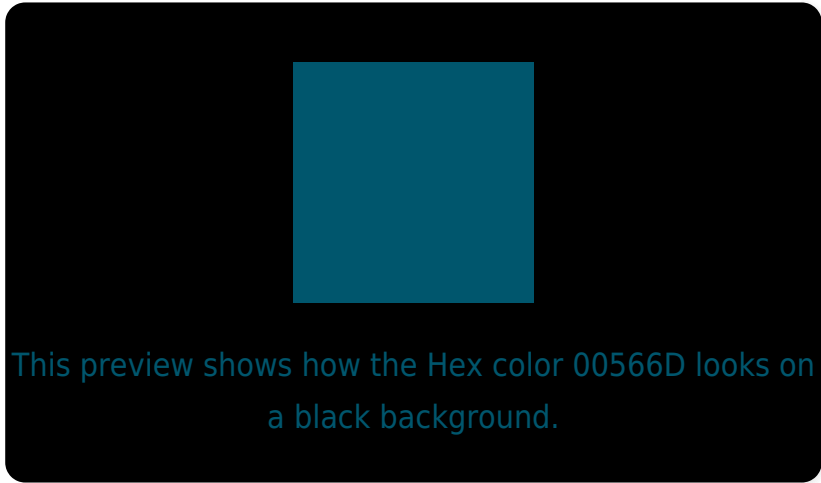
Large Text (above 18pt) WCAG AA ✓ Pass

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

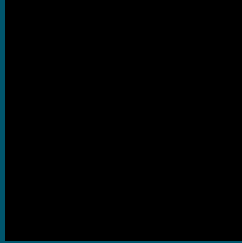
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

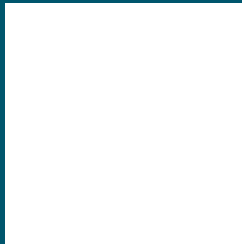
Any Text WCAG AAA × Fail

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

Hex 00566D Background



This preview shows how black text looks on a background with the Hex color 00566D.

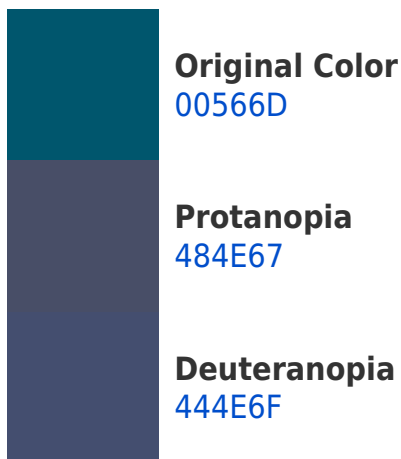


This preview shows how white text looks on a background with the Hex color 00566D.

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](#).

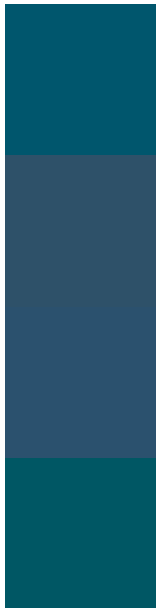
Dichromacy





Tritanopia
00585F

Trichromacy



Original Color
00566D

Protanomaly
2E5169

Deuteranomaly
2B516E

Tritanomaly
005764

Monochromacy



Original Color
00566D

Achromatopsia
3F3F3F

Achromatomaly
284750

CSS Examples

Text

The CSS property to change the color of the text to Hex 00566D 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 #00566D looks like.

```
.text, #text, p{  
    color:#00566D  
}
```

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 #00566D colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #00566D
}
```

Border

The CSS property to change the border of an element to Hex 00566D 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
#00566D }
```

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

```
.border{ border-color:#00566D }
```

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

Here you see how a box with a 4 pixel #00566D colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #00566D; -webkit-box-shadow:4px 4px  
4px 4px #00566D; box-shadow:4px 4px 4px  
4px #00566D }
```

Background

The CSS property to change the background color of an element to Hex 00566D is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#00566D }
```

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

```
.background{ background-color:#00566D }
```

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