

# Converting Colors

Hex(005B64)

Have a look what the booklet for  
Hex(005B64) contains.

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# Color

**Hex(005B64)**

# Conversions

## Conversions Part 1

Format	Color
Hex	005B64
RGB	0, 91, 100
RGB Percent	0%, 36%, 39%
CMY	1.0000, 0.6431, 0.6078
CMYK	1.00, 0.09, 0.00, 0.61
HSL	185°, 100%, 20%
HSV	185°, 100%, 39%
XYZ	6.0413, 8.4023, 13.3600
YIQ	64.8170, -57.1250, -16.4930

# Conversions

## Conversions Part 2

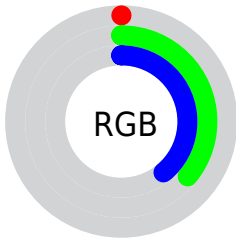
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 48, 100
Decimal	23396
CIELab	34.81, -19.45, -11.78
CIELCh	35, 22.745, 211.207
Yxy	8.4023, 0.2173, 0.3022
Android (android.graphics.Color)	4278213476 (0xFF005B64)
YUV	64.8170, 17.3452, -56.8445
Hunter-Lab	28.9867, -13.5241, -7.0361

# Details

The Hex color **005B64** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **640900**, and the grayscale version is **414141**.

A 20% lighter version of the original color is **478D97**, and **002D35** is the 20% darker color. If you saturate the color by 10%, you get **005B64**, and if you desaturate by 10%, it is **0A5C64**.

# Distribution



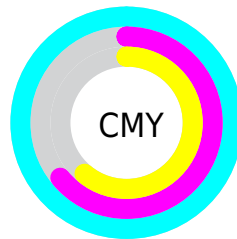
- Red (0%)
- Green (36%)
- Blue (39%)



- Red (0%)
- Yellow (19%)
- Blue (39%)



- Cyan (100%)
- Magenta (9%)
- Yellow (0%)
- Black (61%)



- Cyan (100%)
- Magenta (64%)
- Yellow (61%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 005B64 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 005B64 by changing the saturation by 10% instead.





005B64



005B64

FFFFFF



00434C



478D97



002D35



62A8B2



001A20



7DC3CD



000007



99DFE9



000000



B5FCFF



D2FFFF



FFFFFF



005B64

■ 0A5C64

■ 145D64

■ 1E5E64

■ 285F64

■ 326064

■ 3C6064

■ 466164

■ 506264

■ 5A6364

# Harmonies

## Analogous

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



1B5B52



005B64



175871

# Triad

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



005B64



694764



5D512D

# Complementary

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



005B64



640900

# 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.



6C4B33



005B64



744452

# Square

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



005B64



554D71



744540



4A5632

# Rectangle

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



005B64



2E5575



744540



624F2E



# Sweetspot

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



005B64



5B7F82



006408



2A4042



C2C2C2



424242



# Same Dimension

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



005B64



007682



002A64



2E3333



006873



00DCF2



# Inverse Universe

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



64005B



820076



643A00



332E33



730068



F200DC



# Previews

## White Background



This preview shows how the Hex color 005B64 looks on a white background.

## Color Contrast Check

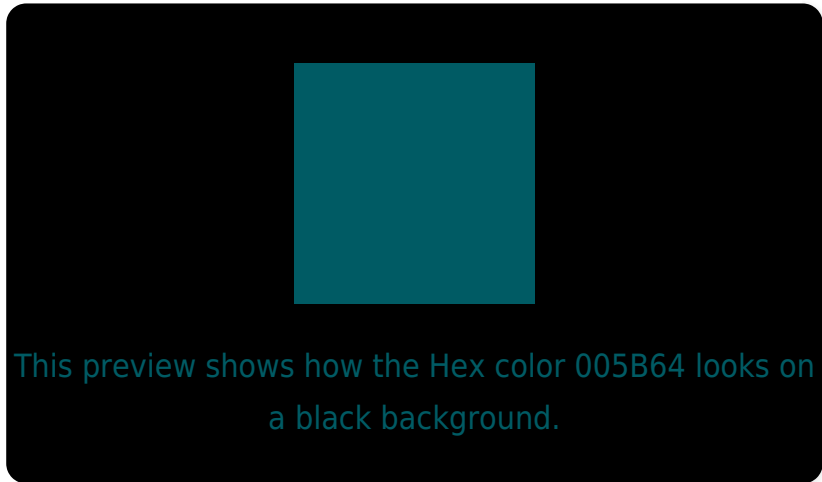
Large Text (above 18pt) WCAG AA ✓ Pass

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

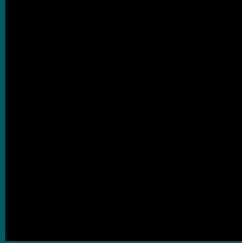
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 005B64 Background



This preview shows how black text looks on a background with the Hex color 005B64.



This preview shows how white text looks on a background with the Hex color 005B64.

# 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**  
005B64

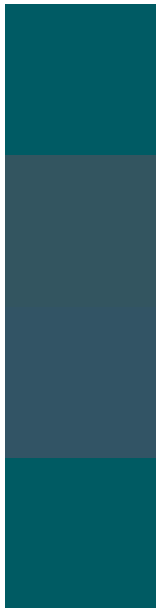
**Protanopia**  
50515E

**Deuteranopia**  
4F5066



**Tritanopia**  
005B63

# Trichromacy



**Original Color**  
005B64

**Protanomaly**  
335560

**Deuteranomaly**  
325465

**Tritanomaly**  
005B63

# Monochromacy



**Original Color**  
005B64

**Achromatopsia**  
414141

**Achromatomaly**  
294A4E

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 005B64 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 #005B64 looks like.

```
.text, #text, p{  
    color:#005B64  
}
```

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 #005B64 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #005B64
}
```

## Border

The CSS property to change the border of an element to Hex 005B64 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
#005B64 }
```

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

```
.border{ border-color:#005B64 }
```

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

Here you see how a box with a 4 pixel #005B64 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #005B64; -webkit-box-shadow:4px 4px  
4px 4px #005B64; box-shadow:4px 4px 4px  
4px #005B64 }
```

# Background

The CSS property to change the background color of an element to Hex 005B64 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#005B64 }
```

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

```
.background{ background-color:#005B64 }
```

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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