

# Converting Colors

Hex(045C77)

Have a look what the booklet for  
Hex(045C77) contains.

<b>Hex(045C77)</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(045C77)

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	045C77
RGB	4, 92, 119
RGB Percent	2%, 36%, 47%
CMY	0.9843, 0.6392, 0.5333
CMYK	0.97, 0.23, 0.00, 0.53
HSL	194°, 93%, 24%
HSV	194°, 97%, 47%
XYZ	7.2070, 9.0120, 18.8124
YIQ	68.7660, -61.1150, -10.2590

# Conversions

## Conversions Part 2

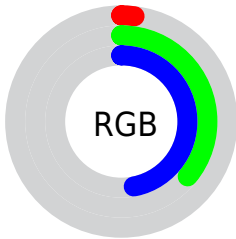
<b>Format</b>	<b>Color</b>
<b>RYB</b>	4, 54, 119
Decimal	285815
CIELab	36.01, -12.54, -21.73
CIELCh	36, 25.085, 240.004
Yxy	9.0120, 0.2057, 0.2573
Android (android.graphics.Color)	4278475895 (0xFF045C77)
YUV	68.7660, 24.7654, -56.7998
Hunter-Lab	30.0200, -9.6820, -16.1408

# Details

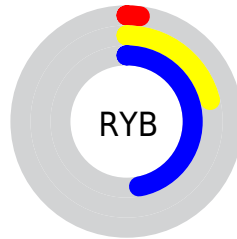
The Hex color **045C77** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **771F04**, and the grayscale version is **454545**.

A 20% lighter version of the original color is **4C8EAB**, and **002E46** is the 20% darker color. If you saturate the color by 10%, you get **005B77**, and if you desaturate by 10%, it is **105F77**.

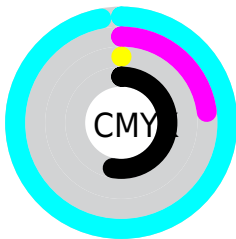
# Distribution



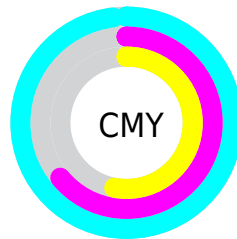
- Red (2%)
- Green (36%)
- Blue (47%)



- Red (2%)
- Yellow (21%)
- Blue (47%)



- Cyan (97%)
- Magenta (23%)
- Yellow (0%)
- Black (53%)



- Cyan (98%)
- Magenta (64%)
- Yellow (53%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 045C77 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 045C77 by changing the saturation by 10% instead.



■ 045C77

■ 045C77

FFFFFF

■ 00445E

■ 4C8EAB

■ 002E46

■ 68A9C7

■ 001A30

■ 84C4E3

■ 00011B

■ A0E0FF

■ 000000

■ BCFDFF

■ D9FFFF

■ F7FFFF

■ 045C77

■ 045C77

■ 005B77

■ 105F77

■ 1C6277

■ 286477

■ 346777

■ 406A77

■ 4B6D77

■ 577077

■ 637277

■ 6F7577

# Harmonies

## Analogous

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



005F68



045C77



36577D

# Triad

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



045C77



7A4555



4D5931

# Complementary

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



045C77



771F04

# 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.



61542C



045C77



7B4642

# Square

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



045C77



6E4869



724C32



345D40

# Rectangle

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



045C77



4D527A



724C32



54582E



# Sweetspot

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



045C77



6E919C



04771F



33494F



CFCFCF



4F4F4F



# Same Dimension

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



045C77



00779C



042377



35393B



005E7A



00BFFA



# Inverse Universe

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



77045C



9C0077



775804



3B3539



7A005E



FA00BF



# Previews

## White Background



This preview shows how the Hex color 045C77 looks on a white background.

## Color Contrast Check

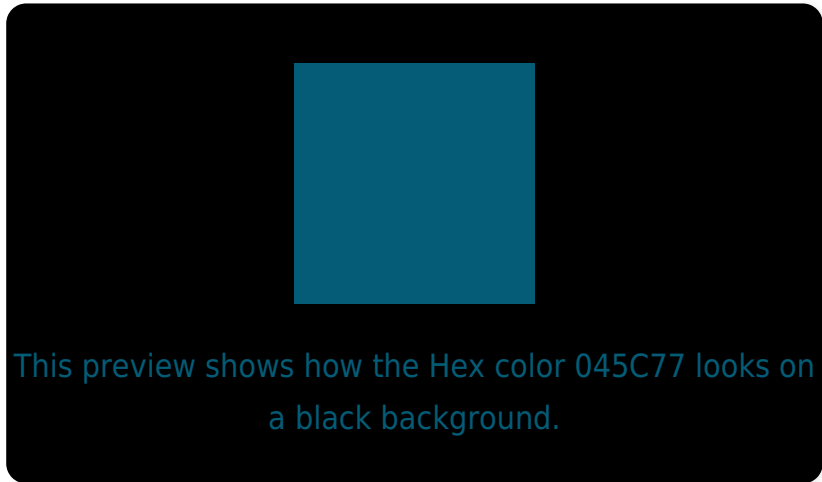
Large Text (above 18pt) WCAG AA ✓ Pass

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

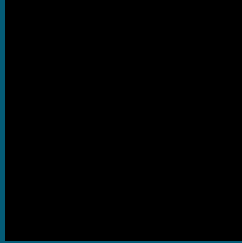
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 045C77 Background



This preview shows how black text looks on a background with the Hex color 045C77.

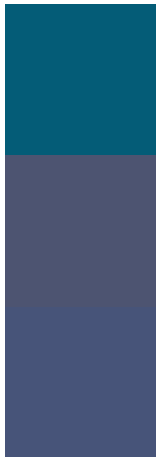


This preview shows how white text looks on a background with the Hex color 045C77.

# 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**  
045C77

**Protanopia**  
4D5471

**Deuteranopia**  
475479



**Tritanopia**  
005E65

# Trichromacy



**Original Color**  
045C77

**Protanomaly**  
325773

**Deuteranomaly**  
2F5778

**Tritanomaly**  
015D6C

# Monochromacy



**Original Color**  
045C77

**Achromatopsia**  
454545

**Achromatomaly**  
2D4D57

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 045C77 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 #045C77 looks like.

```
.text, #text, p{  
    color:#045C77  
}
```

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 #045C77 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #045C77
}
```

## Border

The CSS property to change the border of an element to Hex 045C77 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
#045C77 }
```

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

```
.border{ border-color:#045C77 }
```

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

Here you see how a box with a 4 pixel #045C77 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #045C77; -webkit-box-shadow:4px 4px  
4px 4px #045C77; box-shadow:4px 4px 4px  
4px #045C77 }
```

# Background

The CSS property to change the background color of an element to Hex 045C77 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#045C77 }
```

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

```
.background{ background-color:#045C77 }
```

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