

# Converting Colors

Hex(048C75)

Have a look what the booklet for  
Hex(048C75) contains.

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**Color**

**Hex(048C75)**

# Conversions

## Conversions Part 1

Format	Color
Hex	048C75
RGB	4, 140, 117
RGB Percent	2%, 55%, 46%
CMY	0.9843, 0.4510, 0.5412
CMYK	0.97, 0.00, 0.16, 0.45
HSL	170°, 94%, 28%
HSV	170°, 97%, 55%
XYZ	12.6390, 20.0663, 20.0367
YIQ	96.7140, -73.6730, -35.9850

# Conversions

## Conversions Part 2

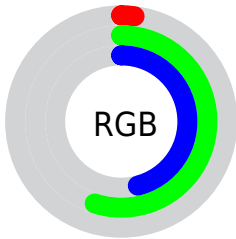
<b>Format</b>	<b>Color</b>
<b>RYB</b>	4, 78, 140
Decimal	298101
CIELab	51.91, -37.52, 3.33
CIELCh	52, 37.664, 174.926
Yxy	20.0663, 0.2396, 0.3805
Android (android.graphics.Color)	4278488181 (0xFF048C75)
YUV	96.7140, 10.0010, -81.3102
Hunter-Lab	44.7955, -28.0283, 4.8369

# Details

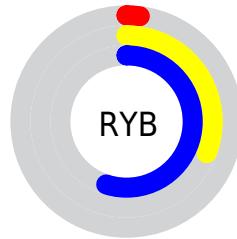
The Hex color **048C75** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **8C041B**, and the grayscale version is **616161**.

A 20% lighter version of the original color is **55C2A9**, and **005945** is the 20% darker color. If you saturate the color by 10%, you get **008C74**, and if you desaturate by 10%, it is **128C77**.

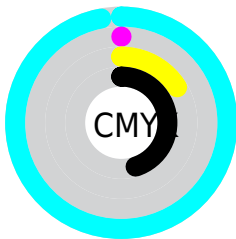
# Distribution



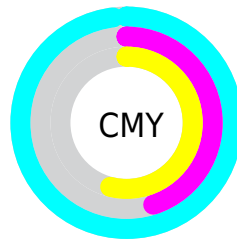
- Red (2%)
- Green (55%)
- Blue (46%)



- Red (2%)
- Yellow (31%)
- Blue (55%)



- Cyan (97%)
- Magenta (0%)
- Yellow (16%)
- Black (45%)



- Cyan (98%)
- Magenta (45%)
- Yellow (54%)


# Brightness & Saturation Gradients

These gradients show how the Hex color 048C75 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 048C75 by changing the saturation by 10% instead.



 048C75

 048C75

FFFFFF

 00725C

 55C2A9

 005945

 72DFC4

 00412F

 8FFBE0

 002A1A

 ACFFFD

 000D00

 C9FFFF

 000000

 E7FFFF

 048C75

 048C75

 008C74

 128C77

■ 208C7A

■ 2E8C7C

■ 3C8C7E

■ 4A8C81

■ 588C83

■ 668C86

■ 748C88

■ 828C8A

# Harmonies

## Analogous

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



4D8955



048C75



008C96

# Triad

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



048C75



7675B6



AC6C48

# Complementary

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



048C75



8C041B

# 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.



B86362



048C75



9F69A1

# Square

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



048C75



3781BC



B56283



94783A

# Rectangle

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



048C75



008AA8



B56283



B26950



# Sweetspot

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



048C75



81B5AC



1D8C04



3C5C56



DBDBDB



5C5C5C



# Same Dimension

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



048C75



00B596



04618C



3E4544



00856E



000504



# Inverse Universe

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



8C041B



B5001F



8C2F04



453E3F



850016



050001



# Previews

## White Background



This preview shows how the Hex color 048C75 looks on a white background.

## Color Contrast Check

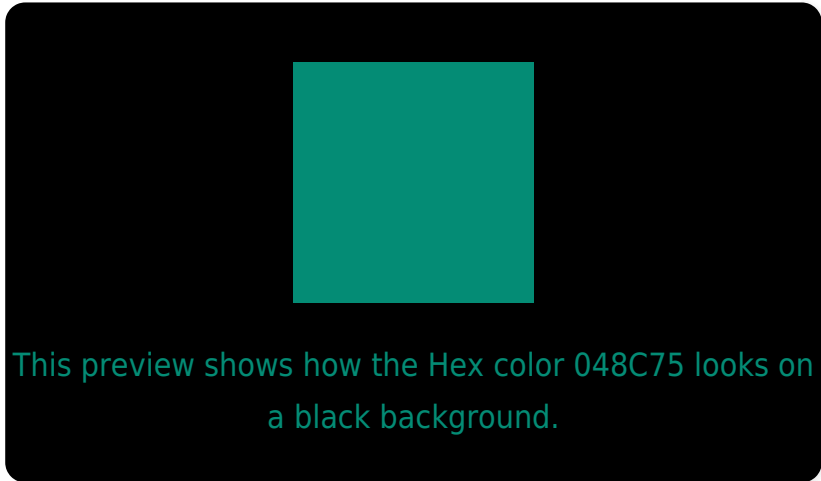
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

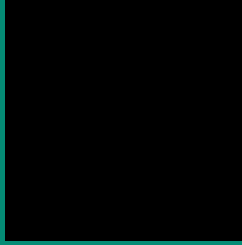
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## Hex 048C75 Background



This preview shows how black text looks on a background with the Hex color 048C75.

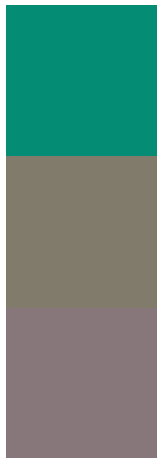


This preview shows how white text looks on a background with the Hex color 048C75.

# 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**  
048C75

**Protanopia**  
817B6C

**Deuteranopia**  
88777A



**Tritanopia**  
288893

# Trichromacy



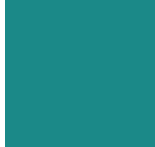
**Original Color**  
048C75



**Protanomaly**  
54816F



**Deuteranomaly**  
587F78



**Tritanomaly**  
1B8988

# Monochromacy



**Original Color**  
048C75



**Achromatopsia**  
616161



**Achromatomaly**  
3F7168

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 048C75 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 #048C75 looks like.

```
.text, #text, p{  
    color:#048C75  
}
```

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 #048C75 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #048C75
}
```

## Border

The CSS property to change the border of an element to Hex 048C75 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
#048C75 }
```

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

```
.border{ border-color:#048C75 }
```

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

Here you see how a box with a 4 pixel #048C75 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #048C75; -webkit-box-shadow:4px 4px  
4px 4px #048C75; box-shadow:4px 4px 4px  
4px #048C75 }
```

# Background

The CSS property to change the background color of an element to Hex 048C75 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#048C75 }
```

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

```
.background{ background-color:#048C75 }
```

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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