

# Converting Colors

Hex(124648)

Have a look what the booklet for  
Hex(124648) contains.

<b>Hex(124648)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	23
<i><b>Color Blindness Simulation</b></i> .....	26
<i><b>CSS Examples</b></i> .....	29

# Color

Hex(124648)

# Conversions

## Conversions Part 1

Format	Color
Hex	124648
RGB	18, 70, 72
RGB Percent	7%, 27%, 28%
CMY	0.9294, 0.7255, 0.7176
CMYK	0.75, 0.03, 0.00, 0.72
HSL	182°, 60%, 18%
HSV	182°, 75%, 28%
XYZ	3.6093, 4.9768, 6.9013
YIQ	54.6800, -31.6340, -10.4020

# Conversions

## Conversions Part 2

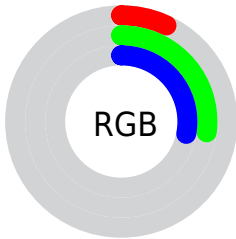
Format	Color
<a href="#">RYB</a>	<a href="#">18, 44, 72</a>
Decimal	<a href="#">1197640</a>
CIELab	<a href="#">26.67, -15.86, -6.18</a>
CIElCh	<a href="#">27, 17.016, 201.280</a>
Yxy	<a href="#">4.9768, 0.2330, 0.3213</a>
Android (android.graphics.Color)	<a href="#">4279387720 (0xFF124648)</a>
YUV	<a href="#">54.6800, 8.5388, -32.1684</a>
Hunter-Lab	<a href="#">22.3087, -10.1609, -2.7254</a>

# Details

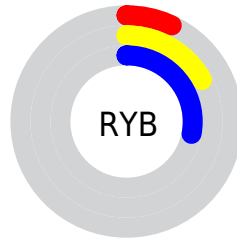
The Hex color **124648** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **481412**, and the grayscale version is **373737**.

A 20% lighter version of the original color is **467778**, and **001C1D** is the 20% darker color. If you saturate the color by 10%, you get **0B4648**, and if you desaturate by 10%, it is **194648**.

# Distribution



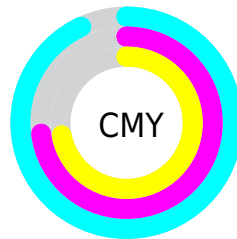
- Red (7%)
- Green (27%)
- Blue (28%)



- Red (7%)
- Yellow (17%)
- Blue (28%)



- Cyan (75%)
- Magenta (3%)
- Yellow (0%)
- Black (72%)



- Cyan (93%)
- Magenta (73%)
- Yellow (72%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 124648 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 124648 by changing the saturation by 10% instead.



■ 124648

■ 124648

FFFFFF

■ 002F32

■ 467778

■ 001C1D

■ 609092

■ 000001

■ 7AABAD

■ 000000

■ 94C6C8

■ AFE2E4

■ CBFFFF

■ E8FFFF

■ 124648

■ 124648

■ 0B4648

■ 194648

■ 044548

■ 204748

■ 004548

■ 284748

■ 2F4748

■ 364748

■ 3D4848

■ 444848

■ 4C4848

■ 534848

# Harmonies

## Analogous

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



20463B



124648



144553

# Triad

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



124648



4C394F



4B3D25

# Complementary

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



124648



481412

# 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.



55392B



124648



563643

# Square

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



124648



3B3D57



593636



3E4127

# Rectangle

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



124648



204357



593636



4F3B27



# Sweetspot

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



124648



495E5E



124814



233030



B0B0B0



303030



# Same Dimension

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



124648



095B5E



122B48



202424



006063



00DBE3



# Inverse Universe

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



481246



5E095B



482F12



242024



630060

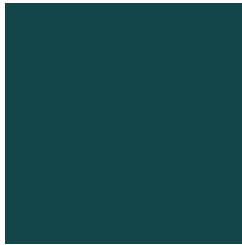


E300DB



# Previews

## White Background



This preview shows how the Hex color 124648 looks on a white background.

## Color Contrast Check

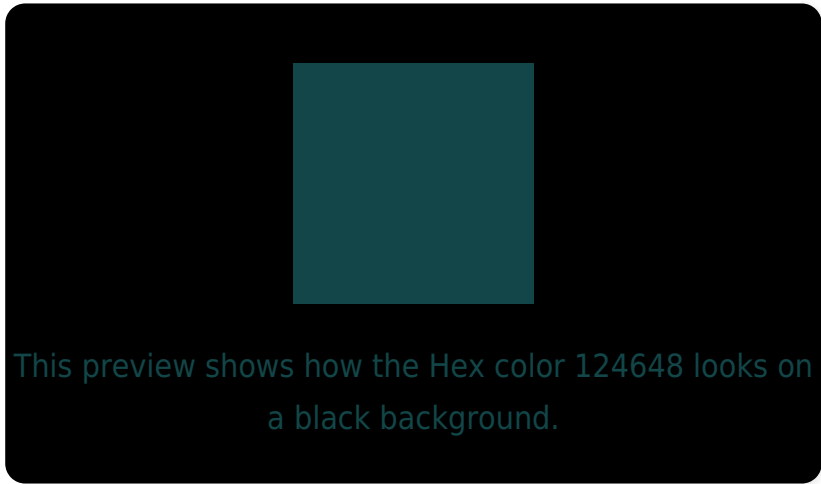
Large Text (above 18pt) WCAG AA ✓ Pass

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

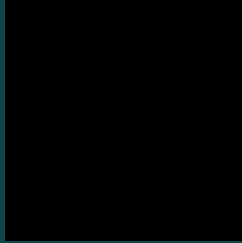
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 124648 Background



This preview shows how black text looks on a background with the Hex color 124648.



This preview shows how white text looks on a background with the Hex color 124648.

# 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**  
124648

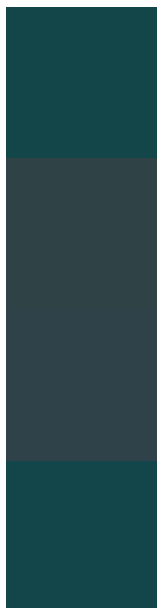
**Protanopia**  
3F3F43

**Deuteranopia**  
403E4A



**Tritanopia**  
14464B

# Trichromacy



**Original Color**

124648

**Protanomaly**

2F4245

**Deuteranomaly**

2F4149

**Tritanomaly**

13464A

# Monochromacy



**Original Color**

124648

**Achromatopsia**

373737

**Achromatomaly**

2A3C3D

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 124648 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 #124648 looks like.

```
.text, #text, p{  
    color:#124648  
}
```

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 #124648 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #124648
}
```

## Border

The CSS property to change the border of an element to Hex 124648 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".

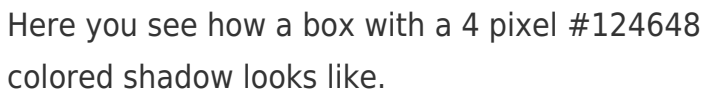
```
.border, #border, table{ border:4px solid
#124648 }
```

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

```
.border{ border-color:#124648 }
```

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

Here you see how a box with a 4 pixel #124648 colored shadow looks like.

A rectangular box with a dark blue border and a dark blue shadow. The box is white with a thin dark blue border on the top and left sides, and a thicker dark blue shadow on the bottom and right sides.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #124648; -webkit-box-shadow:4px 4px  
4px 4px #124648; box-shadow:4px 4px 4px  
4px #124648 }
```

# Background

The CSS property to change the background color of an element to Hex 124648 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#124648 }
```

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

```
.background{ background-color:#124648 }
```

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