

# Converting Colors

Hex(747574)

Have a look what the booklet for  
Hex(747574) contains.

<b>Hex(747574)</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> .....	21
<b><i>Color Blindness Simulation</i></b> .....	24
<b><i>CSS Examples</i></b> .....	27

# Color

Hex(747574)

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	747574
RGB	116, 117, 116
RGB Percent	45%, 46%, 45%
CMY	0.5451, 0.5412, 0.5451
CMYK	0.01, 0.00, 0.01, 0.54
HSL	120°, 0%, 46%
HSV	120°, 1%, 46%
XYZ	16.7161, 17.6965, 19.0577
YIQ	116.5870, -0.2750, -0.5230

# Conversions

## Conversions Part 2

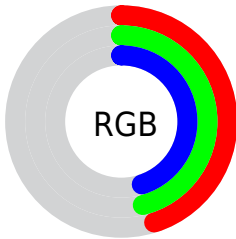
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	116, 117, 117
Decimal	7632244
CIE Lab	49.13, -0.58, 0.41
CIE LCh	49, 0.710, 144.642
Yxy	17.6965, 0.3126, 0.3310
Android (android.graphics.Color)	4285822324 (0xFF747574)
YUV	116.5870, -0.2894, -0.5148
Hunter-Lab	42.0673, -2.6877, 2.5869

# Details

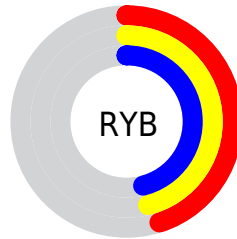
The Hex color **747574** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **757475**, and the grayscale version is **757575**.

A 20% lighter version of the original color is **A8A9A8**, and **444544** is the 20% darker color. If you saturate the color by 10%, you get **687568**, and if you desaturate by 10%, it is **807580**.

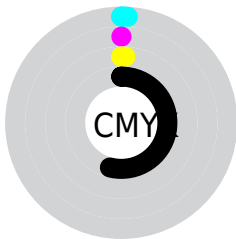
# Distribution



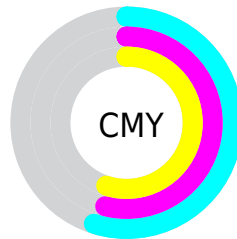
- Red (45%)
- Green (46%)
- Blue (45%)



- Red (45%)
- Yellow (46%)
- Blue (46%)



- Cyan (1%)
- Magenta (0%)
- Yellow (1%)
- Black (54%)



- Cyan (55%)
- Magenta (54%)
- Yellow (55%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 747574 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 747574 by changing the saturation by 10% instead.





747574



747574

FFFFFF



5B5C5B



A8A9A8



444544



C3C4C3



2E2F2E



DFE0DF



191A19



FCFDFC



000000



747574



747574



687568



807580



5D755D



8B758B



517551



977597

 457545

 A375A3

 3A753A

 AF75AF

 2E752E

 BA75BA

 227522

 C675C6

 167516

 D275D2

 0B750B

 DD75DD

# Harmonies

## Analogous

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



757574



747574



737575

# Triad

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



747574



747576



767474

# Complementary

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



747574



757475

# 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.



767475



747574



757576

# Square

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



747574



747576



757475



767474

# Rectangle

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



747574



737575



757475



767474



# Sweetspot

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



747574



999999



757574



4D4D4D



CCCCCC

# Same Dimension

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



747574



979997



747575



3A3B3A



007A00



00FA00



# Inverse Universe

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



757475



999799



3B3A3B



7A007A



FA00FA

# Previews

## White Background



This preview shows how the Hex color 747574 looks on a white background.

## Color Contrast Check

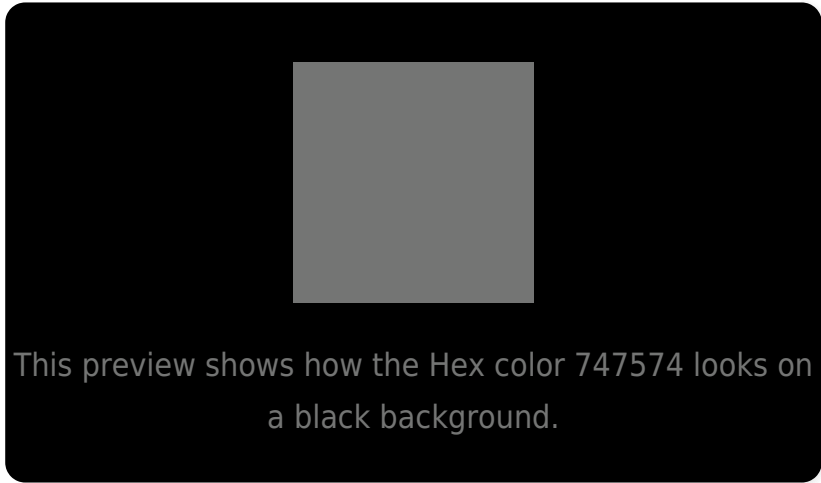
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

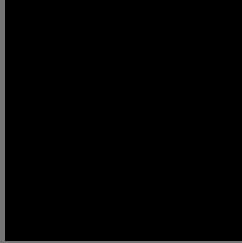
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

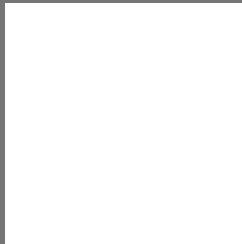
Any Text WCAG AAA × Fail

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

## Hex 747574 Background



This preview shows how black text looks on a background with the Hex color 747574.



This preview shows how white text looks on a background with the Hex color 747574.

# 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**

747574

**Protanopia**

777473

**Deuteranopia**

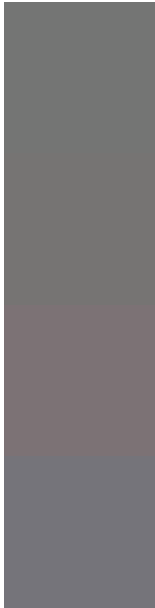
807175





**Tritanopia**  
75747D

# Trichromacy



**Original Color**

747574

**Protanomaly**

767473

**Deuteranomaly**

7C7275

**Tritanomaly**

75747A

# Monochromacy



**Original Color**

747574

**Achromatopsia**

757575

**Achromatomaly**

757575

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 747574 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 #747574 looks like.

```
.text, #text, p{  
    color:#747574  
}
```

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 #747574 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #747574
}
```

## Border

The CSS property to change the border of an element to Hex 747574 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
#747574 }
```

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

```
.border{ border-color:#747574 }
```

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

Here you see how a box with a 4 pixel #747574 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #747574; -webkit-box-shadow:4px 4px  
4px 4px #747574; box-shadow:4px 4px 4px  
4px #747574 }
```

# Background

The CSS property to change the background color of an element to Hex 747574 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#747574 }
```

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

```
.background{ background-color:#747574 }
```

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