

# Converting Colors

Hex(645959)

Have a look what the booklet for  
Hex(645959) contains.

<b>Hex(645959)</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(645959)**

# Conversions

## Conversions Part 1

Format	Color
Hex	645959
RGB	100, 89, 89
RGB Percent	39%, 35%, 35%
CMY	0.6078, 0.6510, 0.6510
CMYK	0.00, 0.11, 0.11, 0.61
HSL	0°, 6%, 37%
HSV	0°, 11%, 39%
XYZ	10.6311, 10.5754, 10.9321
YIQ	92.2890, 6.5560, 2.3320

# Conversions

## Conversions Part 2

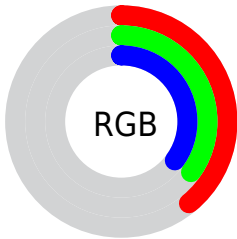
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	100, 89, 89
Decimal	6576473
CIE Lab	38.86, 4.46, 1.62
CIE LCh	39, 4.746, 19.997
Yxy	10.5754, 0.3308, 0.3291
Android (android.graphics.Color)	4284766553 (0xFF645959)
YUV	92.2890, -1.6215, 6.7625
Hunter-Lab	32.5198, 1.4441, 2.8324

# Details

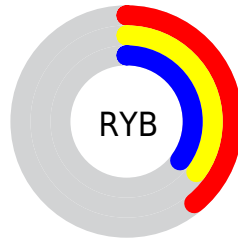
The Hex color **645959** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **596464**, and the grayscale version is **5C5C5C**.

A 20% lighter version of the original color is **978B8B**, and **352C2C** is the 20% darker color. If you saturate the color by 10%, you get **644F4F**, and if you desaturate by 10%, it is **646363**.

# Distribution



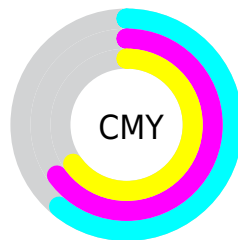
- Red (39%)
- Green (35%)
- Blue (35%)



- Red (39%)
- Yellow (35%)
- Blue (35%)



- Cyan (0%)
- Magenta (11%)
- Yellow (11%)
- Black (61%)



- Cyan (61%)
- Magenta (65%)
- Yellow (65%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 645959 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 645959 by changing the saturation by 10% instead.



■ 645959

■ 645959

FFFFFF

■ 4C4242

■ 978B8B

■ 352C2C

■ B2A5A5

■ 201717

■ CDC0C0

■ 000000

■ E9DCDC

■ FFF9F9

■ 645959

■ 645959

■ 644F4F

■ 646363

■ 644545

■ 646D6D

■ 643B3B

■ 647777

■ 643131

■ 648181

■ 642727

■ 648B8B

■ 641D1D

■ 649595

■ 641313

■ 649F9F

■ 640909

■ 64A9A9

■ 640000

■ 64B3B3

# Harmonies

## Analogous

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



63595D



645959



635A56

# Triad

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



645959



575D56



565C63

# Complementary

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



645959



596464

# 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.



535D61



645959



545E5A

# Square

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



645959



5C5C54



525E5E



5B5B63

# Rectangle

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



645959



615A54



525E5E



555D63



# Sweetspot

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



645959



827E7E



645964



424040



C2C2C2



424242



# Same Dimension

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



645959



827171



645F59



332E2E



730000



F20000



# Inverse Universe

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



596464



718282



595F64



2E3333



007373



00F2F2



# Previews

## White Background



This preview shows how the Hex color 645959 looks on a white background.

## Color Contrast Check

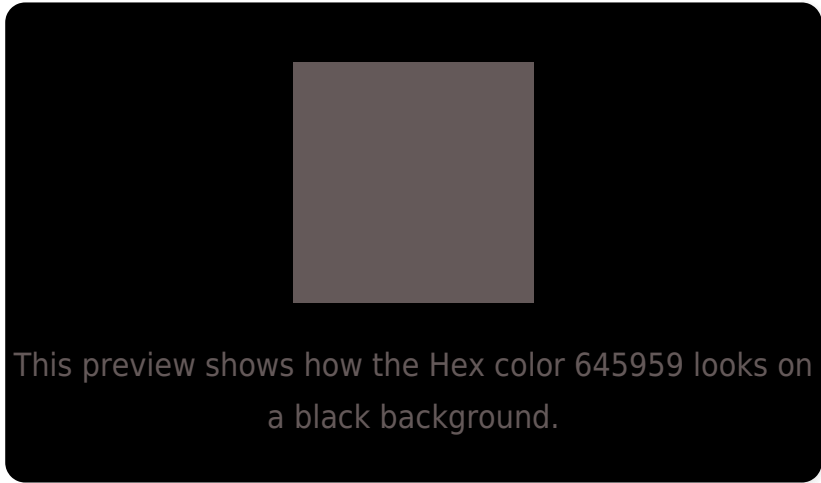
Large Text (above 18pt) WCAG AA ✓ Pass

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 × Fail

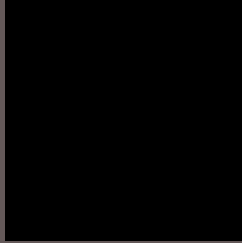
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 645959 Background



This preview shows how black text looks on a background with the Hex color 645959.

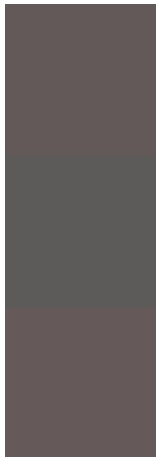


This preview shows how white text looks on a background with the Hex color 645959.

# 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**  
645959

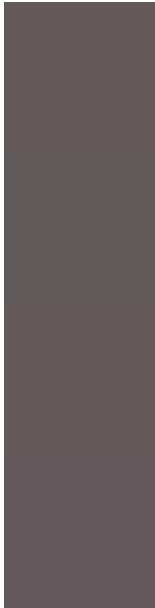
**Protanopia**  
5D5B5A

**Deuteranopia**  
655959



**Tritanopia**  
65585F

# Trichromacy



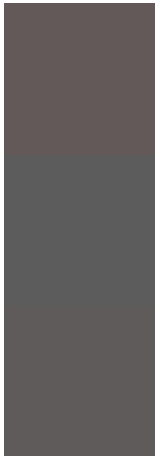
**Original Color**  
645959

**Protanomaly**  
605A5A

**Deuteranomaly**  
655959

**Tritanomaly**  
65585D

# Monochromacy



**Original Color**  
645959

**Achromatopsia**  
5C5C5C

**Achromatomaly**  
5F5B5B

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 645959 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 #645959 looks like.

```
.text, #text, p{  
    color:#645959  
}
```

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 #645959 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #645959
}
```

## Border

The CSS property to change the border of an element to Hex 645959 is called "border". The border property can be set on classes, ids or directly on the HTML element.

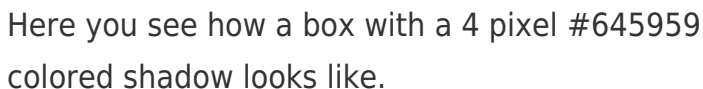
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#645959 }
```

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

```
.border{ border-color:#645959 }
```

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



Here you see how a box with a 4 pixel #645959 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #645959; -webkit-box-shadow:4px 4px  
4px 4px #645959; box-shadow:4px 4px 4px  
4px #645959 }
```

# Background

The CSS property to change the background color of an element to Hex 645959 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#645959 }
```

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

```
.background{ background-color:#645959 }
```

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