

# Converting Colors

Hex(635D70)

Have a look what the booklet for  
Hex(635D70) contains.

<b>Hex(635D70)</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(635D70)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	635D70
RGB	99, 93, 112
RGB Percent	39%, 36%, 44%
CMY	0.6118, 0.6353, 0.5608
CMYK	0.12, 0.17, 0.00, 0.56
HSL	259°, 9%, 40%
HSV	259°, 17%, 44%
XYZ	11.9846, 11.6512, 16.9465
YIQ	96.9600, -2.5230, 7.1810

# Conversions

## Conversions Part 2

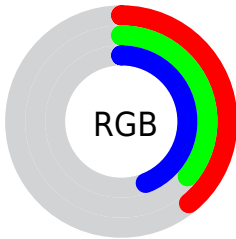
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	99, 93, 112
Decimal	6511984
CIE Lab	40.66, 6.52, -9.90
CIE LCh	41, 11.851, 303.362
Yxy	11.6512, 0.2953, 0.2871
Android (android.graphics.Color)	4284702064 (0xFF635D70)
YUV	96.9600, 7.4147, 1.7891
Hunter-Lab	34.1339, 2.9380, -5.5421

# Details

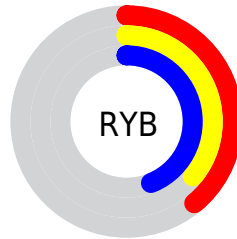
The Hex color **635D70** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **6A705D**, and the grayscale version is **616161**.

A 20% lighter version of the original color is **968FA4**, and **342F40** is the 20% darker color. If you saturate the color by 10%, you get **5B5270**, and if you desaturate by 10%, it is **6B6870**.

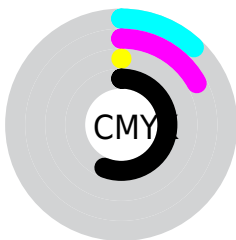
# Distribution



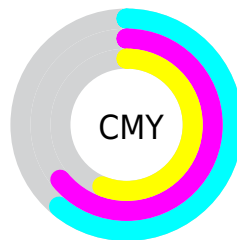
- Red (39%)
- Green (36%)
- Blue (44%)



- Red (39%)
- Yellow (36%)
- Blue (44%)



- Cyan (12%)
- Magenta (17%)
- Yellow (0%)
- Black (56%)



- Cyan (61%)
- Magenta (64%)
- Yellow (56%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 635D70 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 635D70 by changing the saturation by 10% instead.



■ 635D70

■ 635D70

FFFFFF

■ 4B4558

■ 968FA4

■ 342F40

■ B1AABF

■ 1F1A2A

■ CCC5DB

■ 080016

■ E8E1F7

■ 000000

FFFEFF

■ 635D70

■ 635D70

■ 5B5270

■ 6B6870

■ 544770

■ 727370

■ 4C3B70

■ 7A7F70

■ 443070

■ 828A70

■ 3D2570

■ 899570

■ 351A70

■ 91A070

■ 2D0F70

■ 99AB70

■ 260370

■ A0B770

■ 230070

■ A8C270

# Harmonies

## Analogous

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



566073



635D70



6D5A69

# Triad

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



635D70



6F5C4F



486561

# Complementary

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



635D70



6A705D

# 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.



516557



635D70



66604D

# Square

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



635D70



745A56



5C6250



46656A

# Rectangle

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



635D70



725962



5C6250



4B655D



# Sweetspot

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



635D70



8C8A91



5D6A70



47464A



C9C9C9



4A4A4A



# Same Dimension

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



635D70



7D7491



6C5D70



343238



260078



4E00F7



# Inverse Universe

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



705D6A



917488



61705D



383236



780052



F700A9



# Previews

## White Background



This preview shows how the Hex color 635D70 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

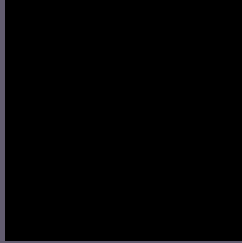
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 635D70 Background



This preview shows how black text looks on a background with the Hex color 635D70.



This preview shows how white text looks on a background with the Hex color 635D70.

# 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**  
635D70

**Protanopia**  
5C5F71

**Deuteranopia**  
615E70



**Tritanopia**  
615F66

# Trichromacy



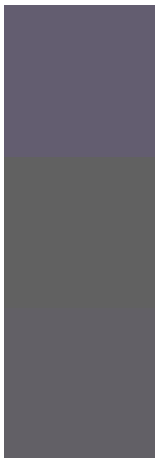
**Original Color**  
635D70

**Protanomaly**  
5F5E71

**Deuteranomaly**  
625E70

**Tritanomaly**  
625E6A

# Monochromacy



**Original Color**  
635D70

**Achromatopsia**  
616161

**Achromatomaly**  
626066

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 635D70 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 #635D70 looks like.

```
.text, #text, p{  
    color:#635D70  
}
```

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 #635D70 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #635D70
}
```

## Border

The CSS property to change the border of an element to Hex 635D70 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
#635D70 }
```

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

```
.border{ border-color:#635D70 }
```

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

Here you see how a box with a 4 pixel #635D70 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #635D70; -webkit-box-shadow:4px 4px  
4px 4px #635D70; box-shadow:4px 4px 4px  
4px #635D70 }
```

# Background

The CSS property to change the background color of an element to Hex 635D70 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#635D70 }
```

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

```
.background{ background-color:#635D70 }
```

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