

# Converting Colors

Hex(646163)

Have a look what the booklet for  
Hex(646163) contains.

<b>Hex(646163)</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> .....	22
<i><b>Color Blindness Simulation</b></i> .....	25
<i><b>CSS Examples</b></i> .....	28

# Color

**Hex(646163)**

# Conversions

## Conversions Part 1

Format	Color
Hex	646163
RGB	100, 97, 99
RGB Percent	39%, 38%, 39%
CMY	0.6078, 0.6196, 0.6118
CMYK	0.00, 0.03, 0.01, 0.61
HSL	320°, 2%, 39%
HSV	320°, 3%, 39%
XYZ	11.7824, 12.1596, 13.5304
YIQ	98.1250, 1.1460, 1.2580

# Conversions

## Conversions Part 2

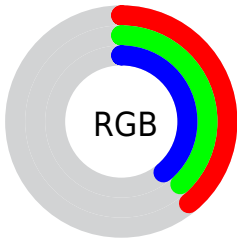
Format	Color
R <sub>Y</sub> B	100, 97, 99
Decimal	6578531
CIE Lab	41.47, 1.60, -0.72
CIE LCh	41, 1.752, 335.740
Yxy	12.1596, 0.3144, 0.3245
Android (android.graphics.Color)	4284768611 (0xFF646163)
YUV	98.1250, 0.4314, 1.6444
Hunter-Lab	34.8706, -0.7104, 1.4038

# Details

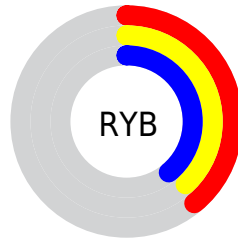
The Hex color **646163** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **616462**, and the grayscale version is **626262**.

A 20% lighter version of the original color is **979496**, and **353335** is the 20% darker color. If you saturate the color by 10%, you get **645760**, and if you desaturate by 10%, it is **646B66**.

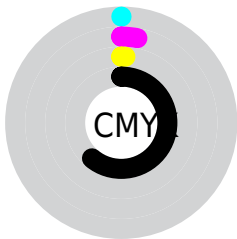
# Distribution



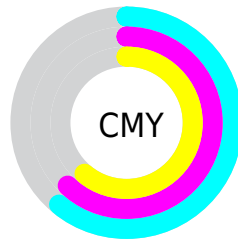
- Red (39%)
- Green (38%)
- Blue (39%)



- Red (39%)
- Yellow (38%)
- Blue (39%)



- Cyan (0%)
- Magenta (3%)
- Yellow (1%)
- Black (61%)



- Cyan (61%)
- Magenta (62%)
- Yellow (61%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 646163 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 646163 by changing the saturation by 10% instead.



646163

646163

FFFFFF

4C494B

979496

353335

B1AEB0

201E1F

CDCACC

090407

E9E6E8

000000

646163

646163

645760

646B66

644D5C

64756A

644359

647F6D

643956

648970

642F52

649374

64254F

649D77

641B4C

64A77A

641148

64B17E

640745

64BB81

# Harmonies

## Analogous

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



626164



646163



656162

# Triad

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



646163



63625F



5E6363

# Complementary

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



646163



616462

# 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.



5F6362



646163



61625F

# Square

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



646163



64615F



606361



5F6264

# Rectangle

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



646163



656161



606361



5E6363



# Sweetspot

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



646163



828182



626164



424242



C2C2C2

# Same Dimension

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



646163



827D80



646162



333032



73004D



F200A2



# Inverse Universe

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



646163



827D80



616463



333032



73004D



F200A2



# Previews

## White Background



This preview shows how the Hex color 646163 looks on a white background.

## Color Contrast Check

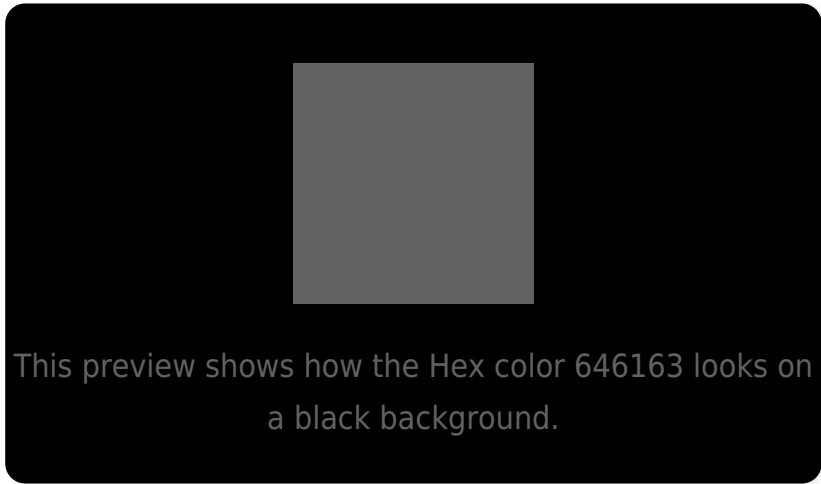
Large Text (above 18pt) WCAG AA ✓ Pass

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

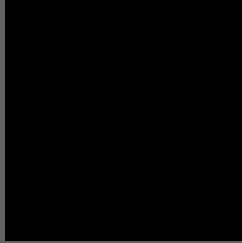
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

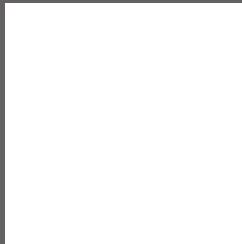
Any Text WCAG AAA × Fail

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

## Hex 646163 Background



This preview shows how black text looks on a background with the Hex color 646163.



This preview shows how white text looks on a background with the Hex color 646163.



# 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**  
646163

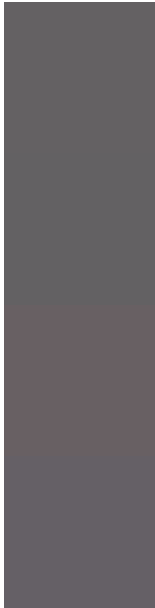
**Protanopia**  
636163

**Deuteranopia**  
6A5F63



**Tritanopia**  
656068

# Trichromacy



**Original Color**

646163

**Protanomaly**

636163

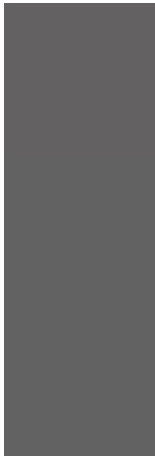
**Deuteranomaly**

686063

**Tritanomaly**

656066

# Monochromacy



**Original Color**

646163

**Achromatopsia**

626262

**Achromatomaly**

636262

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 646163 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 #646163 looks like.

```
.text, #text, p{  
    color:#646163  
}
```

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 #646163 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #646163
}
```

## Border

The CSS property to change the border of an element to Hex 646163 is called "border". The border property can be set on classes, ids or directly on the HTML element.

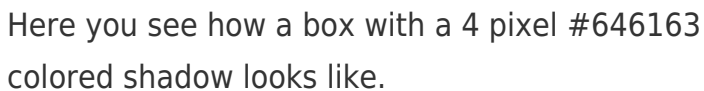
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#646163 }
```

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

```
.border{ border-color:#646163 }
```

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



Here you see how a box with a 4 pixel #646163 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #646163; -webkit-box-shadow:4px 4px  
4px 4px #646163; box-shadow:4px 4px 4px  
4px #646163 }
```

# Background

The CSS property to change the background color of an element to Hex 646163 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#646163 }
```

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

```
.background{ background-color:#646163 }
```

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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