

# Converting Colors

Hex(646263)

Have a look what the booklet for  
Hex(646263) contains.

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# Color

**Hex(646263)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	646263
RGB	100, 98, 99
RGB Percent	39%, 38%, 39%
CMY	0.6078, 0.6157, 0.6118
CMYK	0.00, 0.02, 0.01, 0.61
HSL	330°, 1%, 39%
HSV	330°, 2%, 39%
XYZ	11.8753, 12.3455, 13.5614
YIQ	98.7120, 0.8710, 0.7350

# Conversions

## Conversions Part 2

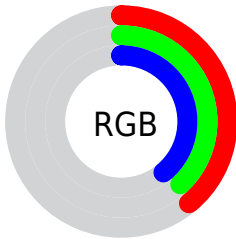
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	100, 98, 99
Decimal	6578787
CIE <sub>Lab</sub>	41.76, 1.00, -0.29
CIE <sub>LCh</sub>	42, 1.038, 343.567
Yxy	12.3455, 0.3143, 0.3268
Android (android.graphics.Color)	4284768867 (0xFF646263)
YUV	98.7120, 0.1420, 1.1296
Hunter-Lab	35.1362, -1.1589, 1.7114

# Details

The Hex color **646263** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **626463**, and the grayscale version is **636363**.

A 20% lighter version of the original color is **979596**, and **353435** is the 20% darker color. If you saturate the color by 10%, you get **64585E**, and if you desaturate by 10%, it is **646C68**.

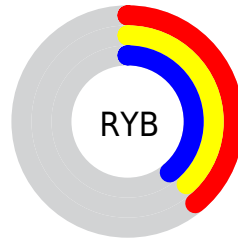
# Distribution



Red (39%)

Green (38%)

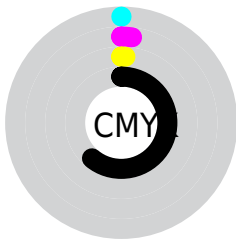
Blue (39%)



Red (39%)

Yellow (38%)

Blue (39%)

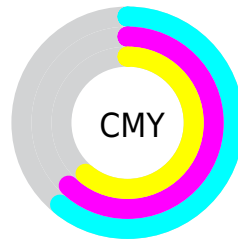


Cyan (0%)

Magenta (2%)

Yellow (1%)

Black (61%)



Cyan (61%)

Magenta (62%)

Yellow (61%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 646263 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 646263 by changing the saturation by 10% instead.





646263



646263

FFFFFF



4C4A4B



979596



353435



B1AFB0



201F1F



CDCBCC



090607



E9E7E8



000000



646263



646263



64585E



646C68



644E59



64766D



644454



648072

643A4F

648A77

64304A

64947C

642645

649E81

641C40

64A886

64123B

64B28B

640836

64BC90

# Harmonies

## Analogous

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



636264



646263



646262

# Triad

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



646263



636361



616364

# Complementary

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



646263



626463

# 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.



616363



646263



626361

# Square

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



646263



646261



616362



616364

# Rectangle

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



646263



646262



616362



616363



# Sweetspot

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



646263



828181



636264



424242



C2C2C2

# Same Dimension

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



646263



827F81



646262



333232



730039



F20079



# Inverse Universe

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



646263



827F81



626464



333232



730039



F20079



# Previews

## White Background



This preview shows how the Hex color 646263 looks on a white background.

## Color Contrast Check

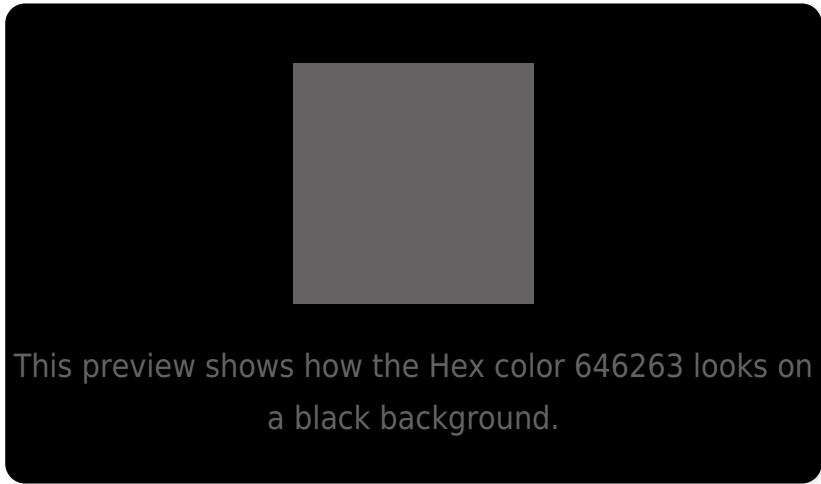
Large Text (above 18pt) WCAG AA ✓ Pass

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

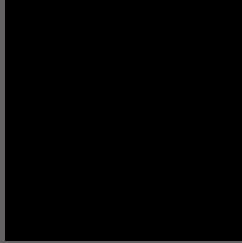
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

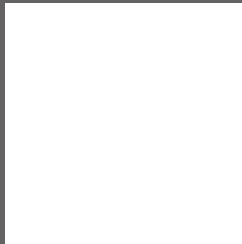
Any Text WCAG AAA × Fail

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

## Hex 646263 Background



This preview shows how black text looks on a background with the Hex color 646263.



This preview shows how white text looks on a background with the Hex color 646263.



# 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**

646263

**Protanopia**

646263

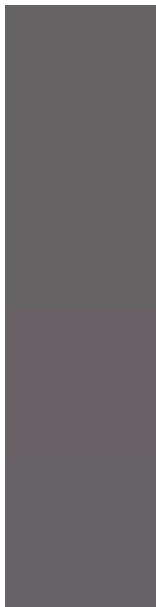
**Deuteranopia**

6B5F64



**Tritanopia**  
656169

# Trichromacy



**Original Color**

646263

**Protanomaly**

646263

**Deuteranomaly**

686064

**Tritanomaly**

656167

# Monochromacy



**Original Color**

646263

**Achromatopsia**

636363

**Achromatomaly**

636363

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 646263 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 #646263 looks like.

```
.text, #text, p{  
    color:#646263  
}
```

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 #646263 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #646263  
}
```

## Border

The CSS property to change the border of an element to Hex 646263 is called "border". The border property can be set on classes, ids or directly on the HTML element.

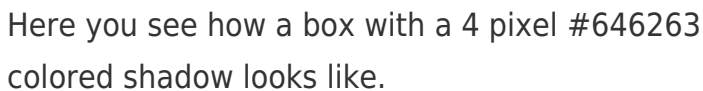
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid  
#646263 }
```

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

```
.border{ border-color:#646263 }
```

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



Here you see how a box with a 4 pixel #646263 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #646263; -webkit-box-shadow:4px 4px  
4px 4px #646263; box-shadow:4px 4px 4px  
4px #646263 }
```

# Background

The CSS property to change the background color of an element to Hex 646263 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#646263 }
```

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

```
.background{ background-color:#646263 }
```

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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