

# Converting Colors

Hex(64689D)

Have a look what the booklet for  
Hex(64689D) contains.

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# Color

**Hex(64689D)**

# Conversions

## Conversions Part 1

Format	Color
Hex	64689D
RGB	100, 104, 157
RGB Percent	39%, 41%, 62%
CMY	0.6078, 0.5922, 0.3843
CMYK	0.36, 0.34, 0.00, 0.38
HSL	236°, 23%, 50%
HSV	236°, 36%, 62%
XYZ	16.2916, 15.0443, 33.9435
YIQ	108.8460, -19.3970, 15.6350

# Conversions

## Conversions Part 2

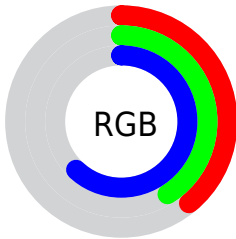
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	100, 104, 157
Decimal	6580381
CIE <sub>Lab</sub>	45.69, 11.82, -29.24
CIE <sub>LCh</sub>	46, 31.539, 292.008
Yxy	15.0443, 0.2496, 0.2305
Android (android.graphics.Color)	4284770461 (0xFF64689D)
YUV	108.8460, 23.7399, -7.7579
Hunter-Lab	38.7870, 7.0980, -24.7353

# Details

The Hex color **64689D** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **9D9964**, and the grayscale version is **6D6D6D**.

A 20% lighter version of the original color is **999BD4**, and **323969** is the 20% darker color. If you saturate the color by 10%, you get **54599D**, and if you desaturate by 10%, it is **74779D**.

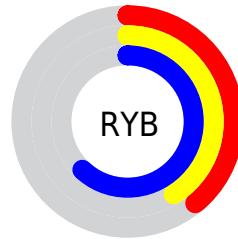
# Distribution



Red (39%)

Green (41%)

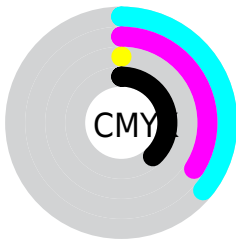
Blue (62%)



Red (39%)

Yellow (41%)

Blue (62%)

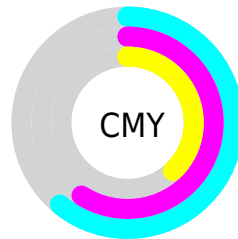


Cyan (36%)

Magenta (34%)

Yellow (0%)

Black (38%)



Cyan (61%)

Magenta (59%)

Yellow (38%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 64689D 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 64689D by changing the saturation by 10% instead.



■ 64689D

■ 64689D

FFFFFF

■ 4B5083

■ 999BD4

■ 323969

■ B4B6F0

■ 182451

■ D0D1FF

■ 000F3A

■ EDEEFF

■ 000224

■ 00000B

■ 000000

■ 64689D

■ 64689D

■ 54599D

■ 74779D

454B9D

83859D

353C9D

93949D

252E9D

A3A29D

161F9D

B3B19D

06109D

C2C09D

000B9D

D2CE9D

E2DD9D

F1EB9D

# Harmonies

## Analogous

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



3371A0



64689D



865E8D

# Triad

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



64689D



965F44



217A64

# Complementary

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



64689D



9D9964

# 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.



4A764B



64689D



836837

# Square

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



64689D



9F585A



69713A



007A7F

# Rectangle

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



64689D



95597D



69713A



31795B



# Sweetspot

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



64689D



B6B7CC



649D98



595A66



E6E6E6



666666



# Same Dimension

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



64689D



7279CC



7C649D



47484F



000A8F



00010F



# Inverse Universe

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



9D6468



CC7279



859D64



4F4748



8F000A

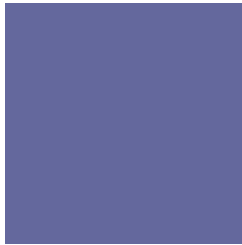


0F0001



# Previews

## White Background



This preview shows how the Hex color 64689D looks on a white background.

## Color Contrast Check

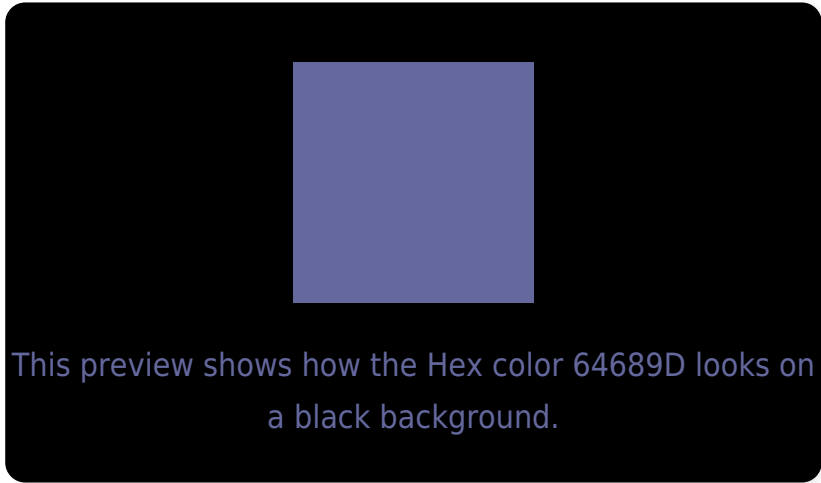
Large Text (above 18pt) WCAG AA ✓ Pass

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

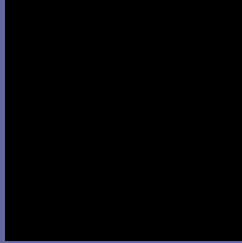
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 64689D Background



This preview shows how black text looks on a background with the Hex color 64689D.



This preview shows how white text looks on a background with the Hex color 64689D.

# 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**  
64689D

**Protanopia**  
5B6A9F

**Deuteranopia**  
596B9C



**Tritanopia**  
5C6F78

# Trichromacy



**Original Color**  
64689D

**Protanomaly**  
5E699E

**Deuteranomaly**  
5D6A9C

**Tritanomaly**  
5F6C85

# Monochromacy



**Original Color**  
64689D

**Achromatopsia**  
6D6D6D

**Achromatomaly**  
6A6B7E

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 64689D 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 #64689D looks like.

```
.text, #text, p{  
    color:#64689D  
}
```

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 #64689D colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #64689D
}
```

## Border

The CSS property to change the border of an element to Hex 64689D 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".

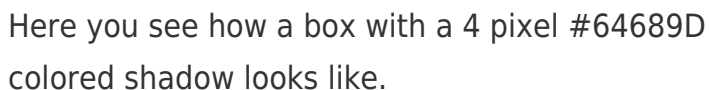
```
.border, #border, table{ border:4px solid
#64689D }
```

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

```
.border{ border-color:#64689D }
```

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

Here you see how a box with a 4 pixel #64689D colored shadow looks like.

A rectangular box with a blue border and a blue shadow. The box is white with a blue border and a blue shadow. The shadow is a 4px offset to the right and bottom of the box.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #64689D; -webkit-box-shadow:4px 4px  
4px 4px #64689D; box-shadow:4px 4px 4px  
4px #64689D }
```

# Background

The CSS property to change the background color of an element to Hex 64689D is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#64689D }
```

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

```
.background{ background-color:#64689D }
```

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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