

# Converting Colors

Hex(1748B2)

Have a look what the booklet for  
Hex(1748B2) contains.

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# Color

**Hex(1748B2)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	1748B2
RGB	23, 72, 178
RGB Percent	9%, 28%, 70%
CMY	0.9098, 0.7176, 0.3020
CMYK	0.87, 0.60, 0.00, 0.30
HSL	221°, 77%, 39%
HSV	221°, 87%, 70%
XYZ	10.7066, 8.0312, 43.1054
YIQ	69.4330, -63.2300, 22.5780

# Conversions

## Conversions Part 2

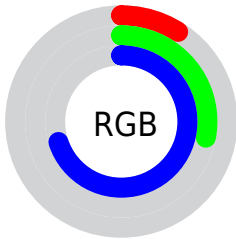
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	23, 60, 178
Decimal	1525938
CIE <sub>Lab</sub>	34.05, 25.75, -60.57
CIE <sub>LCh</sub>	34, 65.813, 293.036
Yxy	8.0312, 0.1731, 0.1299
Android (android.graphics.Color)	4279716018 (0xFF1748B2)
YUV	69.4330, 53.5235, -40.7217
Hunter-Lab	28.3394, 17.8430, -70.3447

# Details

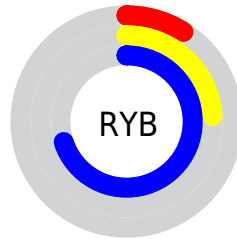
The Hex color **1748B2** is a dark color, and the websafe version is hex **003399**. A complement of this color would be **B28117**, and the grayscale version is **454545**.

A 20% lighter version of the original color is **6378EB**, and **001E7C** is the 20% darker color. If you saturate the color by 10%, you get **053CB2**, and if you desaturate by 10%, it is **2954B2**.

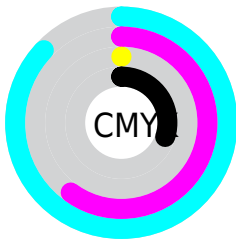
# Distribution



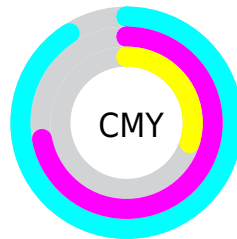
- Red (9%)
- Green (28%)
- Blue (70%)



- Red (9%)
- Yellow (24%)
- Blue (70%)



- Cyan (87%)
- Magenta (60%)
- Yellow (0%)
- Black (30%)



- Cyan (91%)
- Magenta (72%)
- Yellow (30%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 1748B2 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 1748B2 by changing the saturation by 10% instead.



■ 1748B2

■ 1748B2

FFFFFF

■ 003297

■ 6378EB

■ 001E7C

■ 8191FF

■ 000963

■ 9FACFF

■ 00094A

■ BDC7FF

■ 000432

■ DBE3FF

■ 00021C

■ F9FFFF

■ 000000

■ 1748B2

■ 1748B2

■ 053CB2

■ 2954B2

0038B2

3B60B2

4C6DB2

5E79B2

7085B2

8291B2

949DB2

A5A9B2

B7B6B2

# Harmonies

## Analogous

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



005BBA



1748B2



802690

# Triad

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



1748B2



912F00



006442

# Complementary

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



1748B2



B28117

# 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.



006100



1748B2



6D4A00

# Square

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



1748B2



A6002B



3C5900



006578

# Rectangle

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



1748B2



9C0070



3C5900



00632F



# Sweetspot

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



1748B2



ACBFE8



17B281



515C75



F5F5F5



757575



# Same Dimension

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



1748B2



0049E8



3317B2



505359



003099



00081A



# Inverse Universe

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



B21748



E80049



96B217



595053



990030



1A0008



# Previews

## White Background



This preview shows how the Hex color 1748B2 looks on a white background.

## Color Contrast Check

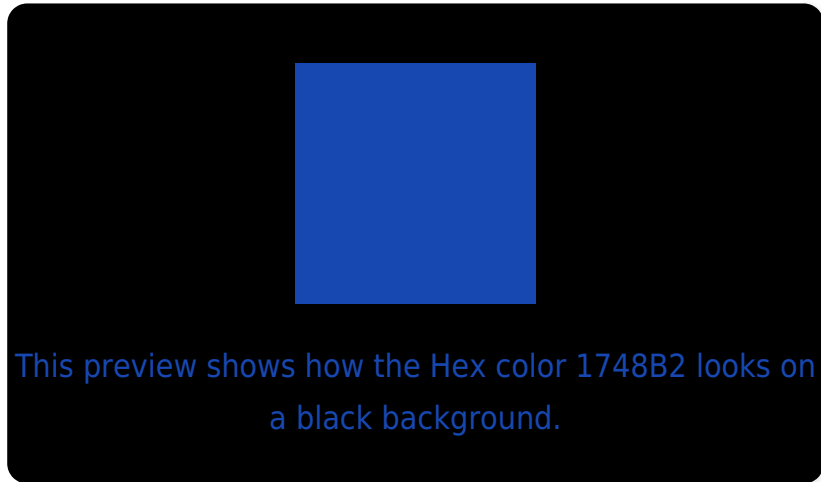
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

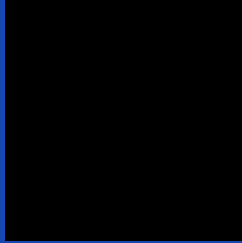
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 1748B2 Background



This preview shows how black text looks on a background with the Hex color 1748B2.

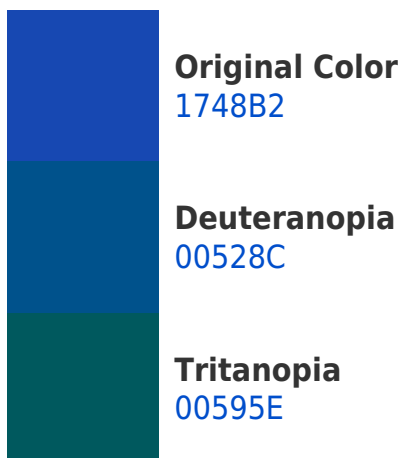


This preview shows how white text looks on a background with the Hex color 1748B2.

# 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



# Trichromacy



**Original Color**  
1748B2

**Deuteranomaly**  
084E9A

**Tritanomaly**  
08537D

# Monochromacy



**Original Color**  
1748B2

**Achromatopsia**  
454545

**Achromatomaly**  
34466D

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 1748B2 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 #1748B2 looks like.

```
.text, #text, p{  
    color:#1748B2  
}
```

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 #1748B2 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #1748B2
}
```

## Border

The CSS property to change the border of an element to Hex 1748B2 is called "border". The border property can be set on classes, ids or directly on the HTML element.

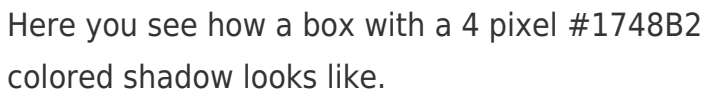
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#1748B2 }
```

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

```
.border{ border-color:#1748B2 }
```

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



Here you see how a box with a 4 pixel #1748B2 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #1748B2; -webkit-box-shadow:4px 4px  
4px 4px #1748B2; box-shadow:4px 4px 4px  
4px #1748B2 }
```

# Background

The CSS property to change the background color of an element to Hex 1748B2 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#1748B2 }
```

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

```
.background{ background-color:#1748B2 }
```

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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