

# Converting Colors

Hex(640BC2)

Have a look what the booklet for  
Hex(640BC2) contains.

<b>Hex(640BC2)</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> .....	23
<i><b>Color Blindness Simulation</b></i> .....	26
<i><b>CSS Examples</b></i> .....	29

**Color**

**Hex(640BC2)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	640BC2
RGB	100, 11, 194
RGB Percent	39%, 4%, 76%
CMY	0.6078, 0.9569, 0.2392
CMYK	0.48, 0.94, 0.00, 0.24
HSL	269°, 89%, 40%
HSV	269°, 94%, 76%
XYZ	15.1128, 6.8437, 51.5634
YIQ	58.4730, -5.6990, 75.7810

# Conversions

## Conversions Part 2

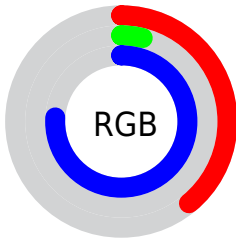
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	100, 11, 194
Decimal	6556610
CIE <sub>Lab</sub>	31.45, 66.36, -74.08
CIE <sub>LCh</sub>	31, 99.458, 311.851
Yxy	6.8437, 0.2056, 0.0931
Android (android.graphics.Color)	4284746690 (0xFF640BC2)
YUV	58.4730, 66.8148, 36.4192
Hunter-Lab	26.1605, 57.3379, -98.5506

# Details

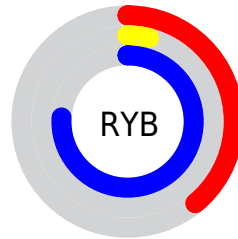
The Hex color **640BC2** is a dark color, and the websafe version is hex **6600CC**. The color can be described as dark washed purple. A complement of this color would be **69C20B**, and the grayscale version is **3A3A3A**.

A 20% lighter version of the original color is **A04CFC**, and **1F008B** is the 20% darker color. If you saturate the color by 10%, you get **5E00C2**, and if you desaturate by 10%, it is **6E1EC2**.

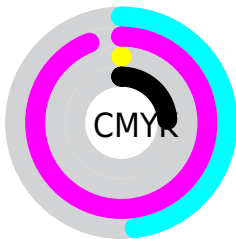
# Distribution



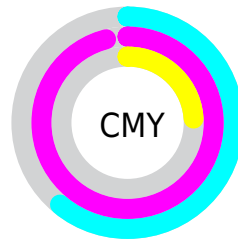
- Red (39%)
- Green (4%)
- Blue (76%)



- Red (39%)
- Yellow (4%)
- Blue (76%)



- Cyan (48%)
- Magenta (94%)
- Yellow (0%)
- Black (24%)



- Cyan (61%)
- Magenta (96%)
- Yellow (24%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 640BC2 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 640BC2 by changing the saturation by 10% instead.



 640BC2

 640BC2

FFFFFF

 4400A6


 A04CFC

 1F008B

 BE67FF

 000070

 DC83FF

 000057

 FB9FFF

 00063E

 FFBBFF

 000327

 FFD8FF

 000111

 FFF5FF

 000000

 640BC2

 640BC2

■ 5E00C2

■ 6E1EC2

■ 7832C2

■ 8245C2

■ 8C59C2

■ 966CC2

■ A07FC2

■ AA93C2

■ B4A6C2

■ BEBAC2

# Harmonies

## Analogous

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



004EE9



640BC2



B4007D

# Triad

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



640BC2



803200



006369

# Complementary

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



640BC2



69C20B

# 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.



006111



640BC2



3E5100

# Square

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



640BC2



AF0000



005D00



0065B4

# Rectangle

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



640BC2



C4004A



005D00



00624D



# Sweetspot

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



640BC2



D8B6FC



0B6AC2



695480



000000



808080



# Same Dimension

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



640BC2



7B00FC



BF0BC2



5C5761



4E00A1



100021



# Inverse Universe

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



C20B69



FC0082



0EC20B



61575C



A10053

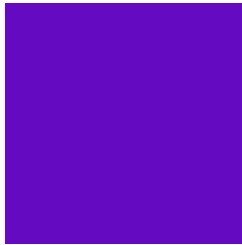


210011



# Previews

## White Background



This preview shows how the Hex color 640BC2 looks on a white background.

## Color Contrast Check

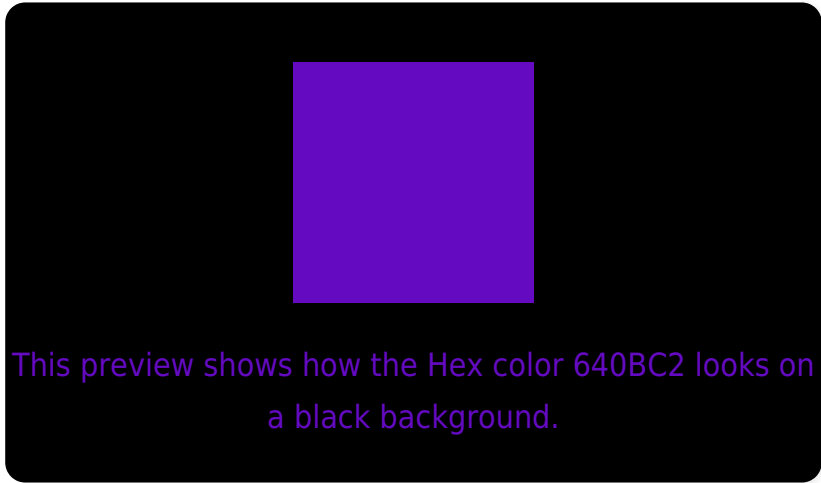
Large Text (above 18pt) WCAG AA ✓ Pass

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

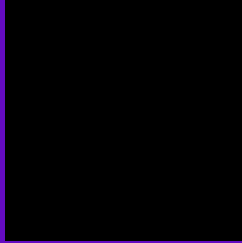
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 640BC2 Background



This preview shows how black text looks on a background with the Hex color 640BC2.

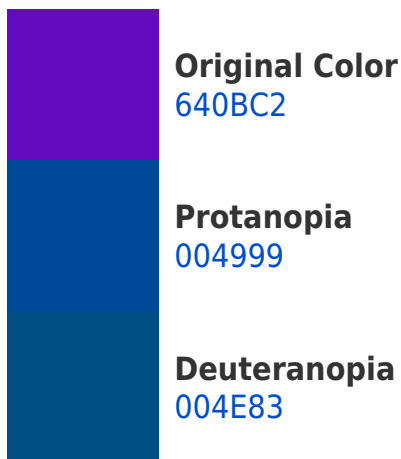


This preview shows how white text looks on a background with the Hex color 640BC2.

# 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





**Tritanopia**  
464C52

# Trichromacy



**Original Color**  
640BC2

**Protanomaly**  
2432A8

**Deuteranomaly**  
24369A

**Tritanomaly**  
51347B

# Monochromacy



**Original Color**  
640BC2

**Achromatopsia**  
3A3A3A

**Achromatomaly**  
49296B

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 640BC2 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 #640BC2 looks like.

```
.text, #text, p{  
    color:#640BC2  
}
```

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 #640BC2 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #640BC2
}
```

## Border

The CSS property to change the border of an element to Hex 640BC2 is called "border". The border property can be set on classes, ids or directly on the HTML element.

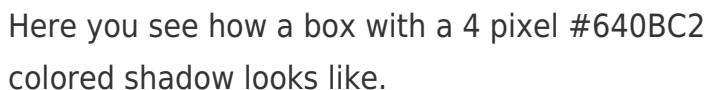
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#640BC2 }
```

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

```
.border{ border-color:#640BC2 }
```

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



Here you see how a box with a 4 pixel #640BC2 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #640BC2; -webkit-box-shadow:4px 4px  
4px 4px #640BC2; box-shadow:4px 4px 4px  
4px #640BC2 }
```

# Background

The CSS property to change the background color of an element to Hex 640BC2 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#640BC2 }
```

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

```
.background{ background-color:#640BC2 }
```

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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