

# Converting Colors

Hex(2257A9)

Have a look what the booklet for  
Hex(2257A9) contains.

<b>Hex(2257A9)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	23
<b><i>Color Blindness Simulation</i></b> .....	26
<b><i>CSS Examples</i></b> .....	29

# Color

Hex(2257A9)

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	2257A9
RGB	34, 87, 169
RGB Percent	13%, 34%, 66%
CMY	0.8667, 0.6588, 0.3373
CMYK	0.80, 0.49, 0.00, 0.34
HSL	216°, 67%, 40%
HSV	216°, 80%, 66%
XYZ	11.2293, 10.0210, 38.8785
YIQ	80.5010, -57.9100, 14.2660

# Conversions

## Conversions Part 2

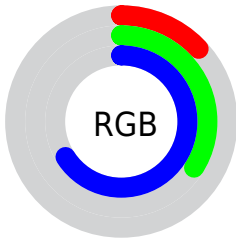
Format	Color
R <sub>Y</sub> B	34, 72, 169
Decimal	2250665
CIE Lab	37.88, 13.10, -48.99
CIE LCh	38, 50.713, 284.972
Yxy	10.0210, 0.1868, 0.1667
Android (android.graphics.Color)	4280440745 (0xFF2257A9)
YUV	80.5010, 43.6300, -40.7814
Hunter-Lab	31.6560, 7.9211, -50.6581




# Details

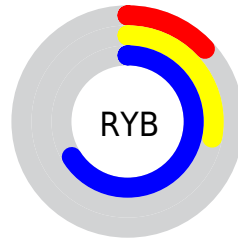
The Hex color **2257A9** is a dark color, and the websafe version is hex **0066CC**. A complement of this color would be **A97422**, and the grayscale version is **505050**.




A 20% lighter version of the original color is **6488E1**, and **002B74** is the 20% darker color. If you saturate the color by 10%, you get **114DA9**, and if you desaturate by 10%, it is **3361A9**.

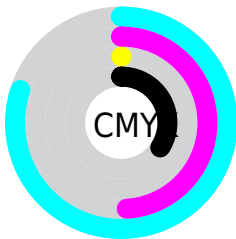
# Distribution







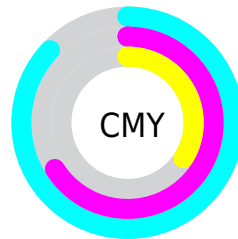
-  Red (13%)
-  Green (34%)
-  Blue (66%)






-  Red (13%)
-  Yellow (28%)
-  Blue (66%)



-  Cyan (80%)
-  Magenta (49%)
-  Yellow (0%)
-  Black (34%)



-  Cyan (87%)
-  Magenta (66%)
-  Yellow (34%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2257A9 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 2257A9 by changing the saturation by 10% instead.



■ 2257A9

■ 2257A9

FFFFFF

■ 00408E

■ 6488E1

■ 002B74

■ 82A2FE

■ 00185B

■ 9FBDFE

■ 000443

■ BCD9FF

■ 00032C

■ D9F5FF

■ 000116

■ F7FFFF

■ 000000

■ 2257A9

■ 2257A9

■ 114DA9

■ 3361A9

■ 0042A9

■ 446CA9

■ 5576A9

■ 6680A9

■ 768AA9

■ 8795A9

■ 989FA9

■ A9A9A9

■ BAB3A9

# Harmonies

## Analogous

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



0064A9



2257A9



744494

# Triad

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



2257A9



973D20



006A42

# Complementary

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



2257A9



A97422

# 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.



276619



2257A9



7D5000

# Square

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



2257A9



A22E46



595E00



006C6D

# Rectangle

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



2257A9



8F377D



595E00



006934



# Sweetspot

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



2257A9



A7BBDB



22A973



4E5A6E



EDEDED



6E6E6E



# Same Dimension

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



2257A9



095BDB



2F22A9



4C4F54



003A94



000814



# Inverse Universe

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



A92257



DB095B



9BA922



544C4F



94003A



140008



# Previews

## White Background



This preview shows how the Hex color 2257A9 looks on a white background.

## Color Contrast Check

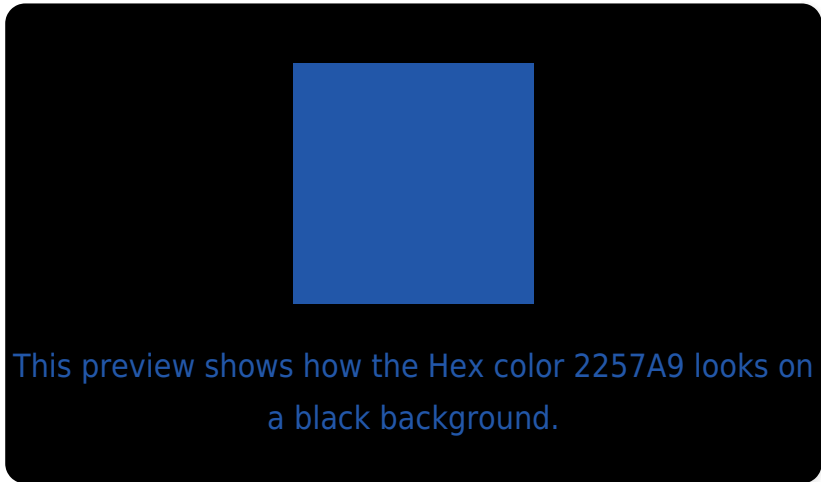
Large Text (above 18pt) WCAG AA ✓ Pass

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

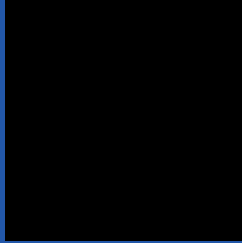
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 2257A9 Background



This preview shows how black text looks on a background with the Hex color 2257A9.



This preview shows how white text looks on a background with the Hex color 2257A9.

# 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](#).

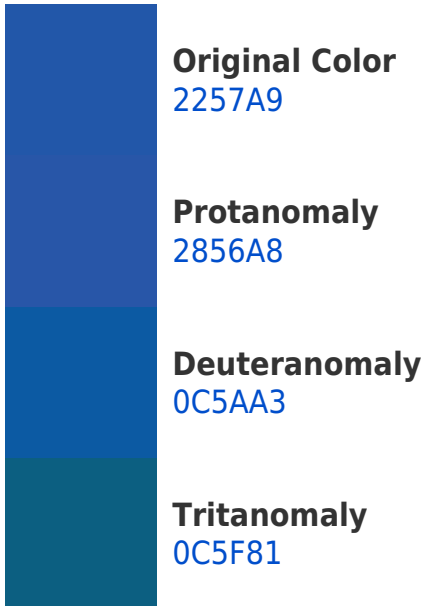
## Dichromacy



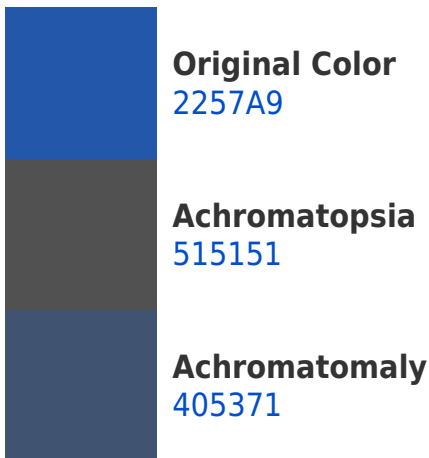


**Tritanopia**  
00636A

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2257A9 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 #2257A9 looks like.

```
.text, #text, p{  
    color:#2257A9  
}
```

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 #2257A9 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2257A9
}
```

## Border

The CSS property to change the border of an element to Hex 2257A9 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
#2257A9 }
```

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

```
.border{ border-color:#2257A9 }
```

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

Here you see how a box with a 4 pixel #2257A9 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2257A9; -webkit-box-shadow:4px 4px  
4px 4px #2257A9; box-shadow:4px 4px 4px  
4px #2257A9 }
```

# Background

The CSS property to change the background color of an element to Hex 2257A9 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2257A9 }
```

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

```
.background{ background-color:#2257A9 }
```

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](#).



# Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor