

# Converting Colors

Hex(064A9D)

Have a look what the booklet for  
Hex(064A9D) contains.

<b>Hex(064A9D)</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(064A9D)**

# Conversions

## Conversions Part 1

Format	Color
Hex	064A9D
RGB	6, 74, 157
RGB Percent	2%, 29%, 62%
CMY	0.9765, 0.7098, 0.3843
CMYK	0.96, 0.53, 0.00, 0.38
HSL	213°, 93%, 32%
HSV	213°, 96%, 62%
XYZ	8.6097, 7.3706, 32.8672
YIQ	63.1300, -67.1710, 11.3970

# Conversions

## Conversions Part 2

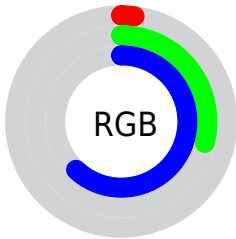
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	6, 53, 157
Decimal	412317
CIE Lab	32.64, 14.91, -50.31
CIE LCh	33, 52.471, 286.514
Yxy	7.3706, 0.1763, 0.1509
Android (android.graphics.Color)	4278602397 (0xFF064A9D)
YUV	63.1300, 46.2779, -50.1030
Hunter-Lab	27.1488, 9.0971, -52.7740

# Details

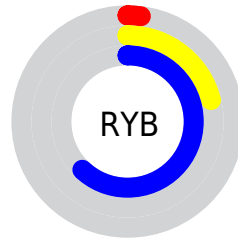
The Hex color **064A9D** is a dark color, and the websafe version is hex **0066CC**. A complement of this color would be **9D5906**, and the grayscale version is **3F3F3F**.

A 20% lighter version of the original color is **577AD4**, and **002069** is the 20% darker color. If you saturate the color by 10%, you get **00479D**, and if you desaturate by 10%, it is **16539D**.

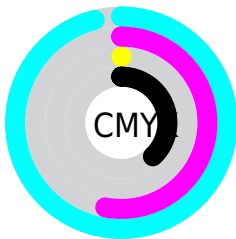
# Distribution



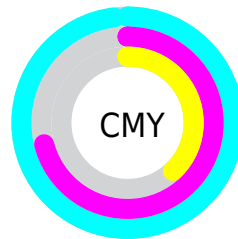
- Red (2%)
- Green (29%)
- Blue (62%)



- Red (2%)
- Yellow (21%)
- Blue (62%)



- Cyan (96%)
- Magenta (53%)
- Yellow (0%)
- Black (38%)



- Cyan (98%)
- Magenta (71%)
- Yellow (38%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 064A9D 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 064A9D by changing the saturation by 10% instead.



064A9D

064A9D

FFFFFF

003482

577AD4

002069

7594F1

000850

92AEFF

000538

AFC9FF

000222

CCE5FF

000008

EAEFFF

000000

064A9D

064A9D

00479D

16539D

■ 255B9D

■ 35649D

■ 456D9D

■ 55759D

■ 647E9D

■ 74869D

■ 848F9D

■ 93989D

# Harmonies

## Analogous

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



00579E



064A9D



6A3586

# Triad

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



064A9D



883010



005E38

# Complementary

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



064A9D



9D5906

# 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.



0C5A09



064A9D



6D4400

# Square

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



064A9D



941B38



495200



005F63

# Rectangle

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



064A9D



84256F



495200



005D29



# Sweetspot

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



064A9D



91ABCC



069D57



425266



E6E6E6



666666



# Same Dimension

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



064A9D



005CCC



0B069D



474B4F



00408F



00070F



# Inverse Universe

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



9D064A



CC005C



989D06



4F474B



8F0040



0F0007



# Previews

## White Background



This preview shows how the Hex color 064A9D looks on a white background.

## Color Contrast Check

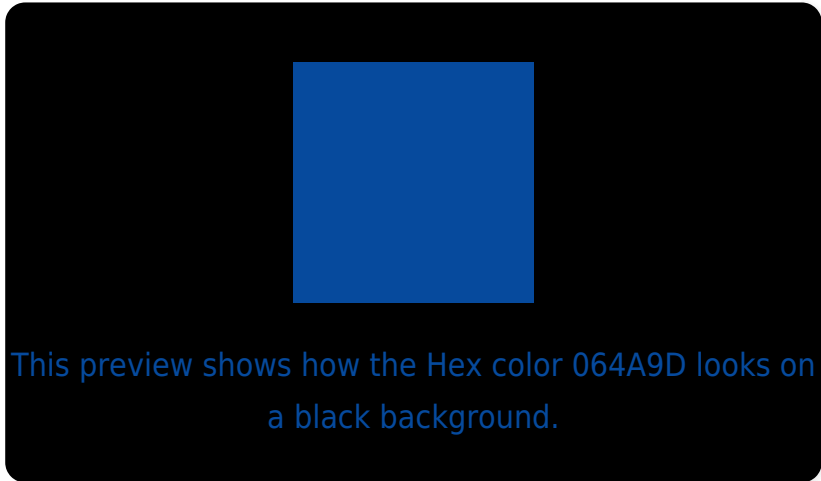
Large Text (above 18pt) WCAG AA ✓ Pass

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

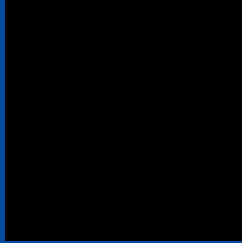
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 064A9D Background



This preview shows how black text looks on a background with the Hex color 064A9D.



This preview shows how white text looks on a background with the Hex color 064A9D.

# 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**

064A9D

**Protanopia**

0A4A9D

**Deuteranopia**

004F88



**Tritanopia**  
00555B

# Trichromacy



**Original Color**  
064A9D

**Protanomaly**  
094A9D

**Deuteranomaly**  
024D90

**Tritanomaly**  
025173

# Monochromacy



**Original Color**  
064A9D

**Achromatopsia**  
3F3F3F

**Achromatomaly**  
2A4361

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 064A9D 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 #064A9D looks like.

```
.text, #text, p{  
    color:#064A9D  
}
```

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 #064A9D colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #064A9D
}
```

## Border

The CSS property to change the border of an element to Hex 064A9D 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
#064A9D }
```

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

```
.border{ border-color:#064A9D }
```

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

Here you see how a box with a 4 pixel #064A9D colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #064A9D; -webkit-box-shadow:4px 4px  
4px 4px #064A9D; box-shadow:4px 4px 4px  
4px #064A9D }
```

# Background

The CSS property to change the background color of an element to Hex 064A9D is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#064A9D }
```

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

```
.background{ background-color:#064A9D }
```

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