

# Converting Colors

Hex(1909C4)

Have a look what the booklet for  
Hex(1909C4) contains.

<b>Hex(1909C4)</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> .....	28

# Color

**Hex(1909C4)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	1909C4
RGB	25, 9, 196
RGB Percent	10%, 4%, 77%
CMY	0.9020, 0.9647, 0.2314
CMYK	0.87, 0.95, 0.00, 0.23
HSL	245°, 91%, 40%
HSV	245°, 95%, 77%
XYZ	10.4624, 4.3876, 52.5200
YIQ	35.1020, -50.4910, 61.5490

# Conversions

## Conversions Part 2

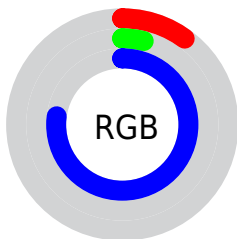
<b>Format</b>	<b>Color</b>
<b>RYB</b>	25, 9, 196
Decimal	1640900
CIELab	24.91, 63.28, -86.31
CIELCh	25, 107.019, 306.246
Yxy	4.3876, 0.1553, 0.0651
Android (android.graphics.Color)	4279830980 (0xFF1909C4)
YUV	35.1020, 79.3227, -8.8595
Hunter-Lab	20.9465, 52.5010, -133.9975

# Details

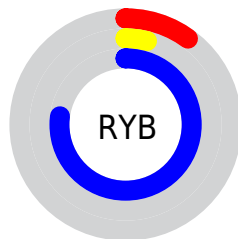
The Hex color **1909C4** is a dark color, and the websafe version is hex **3300CC**. The color can be described as dark washed blue. A complement of this color would be **B4C409**, and the grayscale version is **222222**.

A 20% lighter version of the original color is **6E43FE**, and **00008C** is the 20% darker color. If you saturate the color by 10%, you get **1100C4**, and if you desaturate by 10%, it is **2B1DC4**.

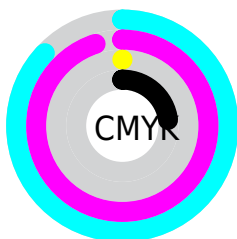
# Distribution



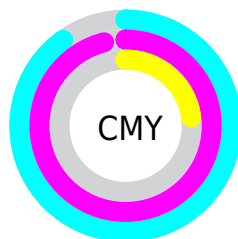
- Red (10%)
- Green (4%)
- Blue (77%)



- Red (10%)
- Yellow (4%)
- Blue (77%)



- Cyan (87%)
- Magenta (95%)
- Yellow (0%)
- Black (23%)



- Cyan (90%)
- Magenta (96%)
- Yellow (23%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 1909C4 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 1909C4 by changing the saturation by 10% instead.



■ 1909C4

■ 1909C4

FFFFFF

■ 0000A8

■ 6E43FE

■ 00008C

■ 8E5DFF

■ 000072

■ AE78FF

■ 000C58

■ CD92FF

■ 000740

■ ECAEFF

■ 000329

■ FFCAFF

■ 000113

■ FFE7FF

■ 000000

■ 1909C4

■ 1909C4

■ 1100C4

■ 2B1DC4

■ 3D30C4

■ 4F44C4

■ 6157C4

■ 736BC4

■ 857FC4

■ 9692C4

■ A8A6C4

■ BAB9C4

# Harmonies

## Analogous

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



0048E6



1909C4



9E007F

# Triad

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



1909C4



7A0E00



00524B

# Complementary

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



1909C4



B4C409

# 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.



005000



1909C4



3A3F00

# Square

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



1909C4



A60000



004C00



00559D

# Rectangle

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



1909C4



B5004A



004C00



00522F



# Sweetspot

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



1909C4



BBB5FF



09B4C4



575380



000000



808080



# Same Dimension

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



1909C4



1600FF



7609C4



585761



0E00A1



030021



# Inverse Universe

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



C409B4



FF00E9



57C409



615760



A10093

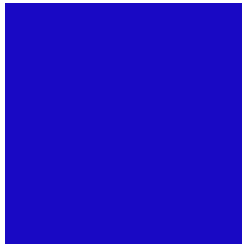


21001E



# Previews

## White Background



This preview shows how the Hex color 1909C4 looks on a white background.

## Color Contrast Check

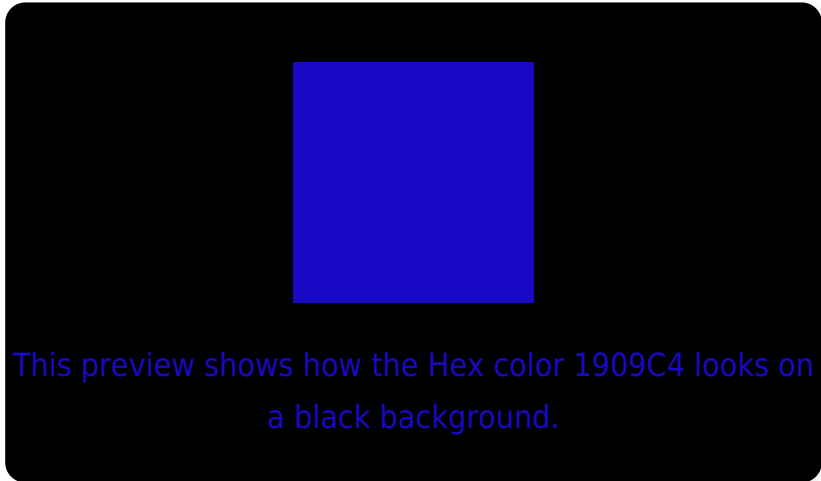
Large Text (above 18pt) WCAG AA ✓ Pass

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

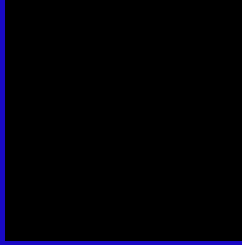
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 1909C4 Background



This preview shows how black text looks on a background with the Hex color 1909C4.



This preview shows how white text looks on a background with the Hex color 1909C4.

# 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**  
1909C4

**Protanopia**  
003A7A

**Deuteranopia**  
003E68

# Trichromacy



**Original Color**  
1909C4

**Protanomaly**  
092895

**Deuteranomaly**  
092B89

# Monochromacy



**Original Color**  
1909C4

**Achromatopsia**  
232323

**Achromatomaly**  
1F1A5E

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 1909C4 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 #1909C4 looks like.

```
.text, #text, p{  
    color:#1909C4  
}
```

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 #1909C4 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #1909C4
}
```

## Border

The CSS property to change the border of an element to Hex 1909C4 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
#1909C4 }
```

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

```
.border{ border-color:#1909C4 }
```

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

Here you see how a box with a 4 pixel #1909C4 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #1909C4; -webkit-box-shadow:4px 4px  
4px 4px #1909C4; box-shadow:4px 4px 4px  
4px #1909C4 }
```

# Background

The CSS property to change the background color of an element to Hex 1909C4 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#1909C4 }
```

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

```
.background{ background-color:#1909C4 }
```

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