

# Converting Colors

Hex(104EC4)

Have a look what the booklet for  
Hex(104EC4) contains.

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# Color

**Hex(104EC4)**

# Conversions

## Conversions Part 1

Format	Color
Hex	104EC4
RGB	16, 78, 196
RGB Percent	6%, 31%, 77%
CMY	0.9373, 0.6941, 0.2314
CMYK	0.92, 0.60, 0.00, 0.23
HSL	219°, 85%, 42%
HSV	219°, 92%, 77%
XYZ	12.9019, 9.5445, 53.3868
YIQ	72.9140, -74.8300, 23.5540

# Conversions

## Conversions Part 2

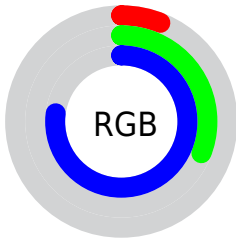
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	16, 62, 196
Decimal	1068740
CIE <sub>Lab</sub>	37.01, 28.47, -66.31
CIE <sub>LCh</sub>	37, 72.160, 293.233
Yxy	9.5445, 0.1701, 0.1259
Android (android.graphics.Color)	4279258820 (0xFF104EC4)
YUV	72.9140, 60.6814, -49.9136
Hunter-Lab	30.8941, 20.4798, -80.8307

# Details

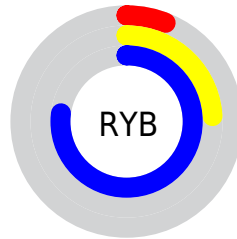
The Hex color **104EC4** is a dark color, and the websafe version is hex **003399**. The color can be described as dark washed blue. A complement of this color would be **C48610**, and the grayscale version is **484848**.

A 20% lighter version of the original color is **657EFE**, and **00238D** is the 20% darker color. If you saturate the color by 10%, you get **0044C4**, and if you desaturate by 10%, it is **245BC4**.

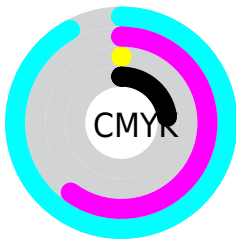
# Distribution



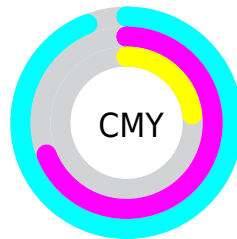
- Red (6%)
- Green (31%)
- Blue (77%)



- Red (6%)
- Yellow (24%)
- Blue (77%)



- Cyan (92%)
- Magenta (60%)
- Yellow (0%)
- Black (23%)



- Cyan (94%)
- Magenta (69%)
- Yellow (23%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 104EC4 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 104EC4 by changing the saturation by 10% instead.



 104EC4

 104EC4

FFFFFF

 0038A8

 657EFE

 00238D

 8598FF

 001273

 A3B3FF

 000159

 C2CEFF

 000741

 E0EAFF

 00032A

 000114

 000000

 104EC4

 104EC4

0044C4

245BC4

3768C4

4B75C4

5E81C4

728EC4

869BC4

99A8C4

ADB5C4

C0C2C4

# Harmonies

## Analogous

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



0063CD



104EC4



8D279E

# Triad

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



104EC4



9F3200



006D48

# Complementary

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



104EC4



C48610

# 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.



006A00



104EC4



765000

# Square

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



104EC4



B6002E



406100



006E84

# Rectangle

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



104EC4



AB007A



406100



006C33



# Sweetspot

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



104EC4



B8D0FF



10C485



546380



000000



808080



# Same Dimension

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



104EC4



0058FF



2B10C4



575B61



0037A1



000B21



# Inverse Universe

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



C4104E



FF0058



A9C410



61575B



A10037



21000B



# Previews

## White Background



This preview shows how the Hex color 104EC4 looks on a white background.

## Color Contrast Check

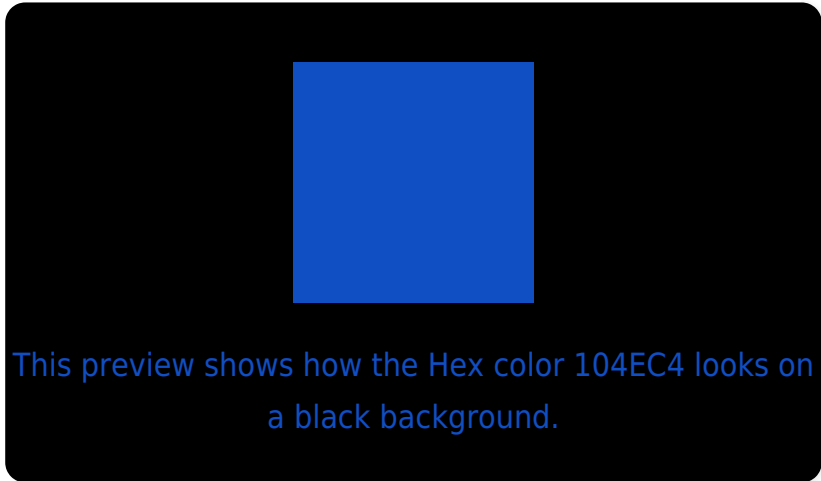
Large Text (above 18pt) WCAG AA ✓ Pass

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

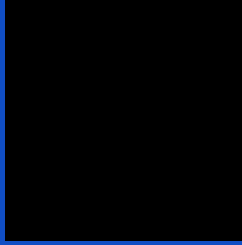
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 104EC4 Background



This preview shows how black text looks on a background with the Hex color 104EC4.



This preview shows how white text looks on a background with the Hex color 104EC4.

# 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



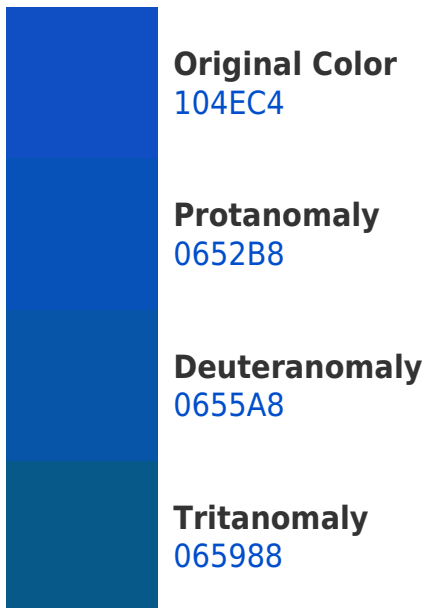
**Original Color**  
104EC4

**Protanopia**  
0054B1

**Deuteranopia**  
005998



# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 104EC4 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 #104EC4 looks like.

```
.text, #text, p{  
    color:#104EC4  
}
```

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 #104EC4 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #104EC4
}
```

## Border

The CSS property to change the border of an element to Hex 104EC4 is called "border". The border property can be set on classes, ids or directly on the HTML element.

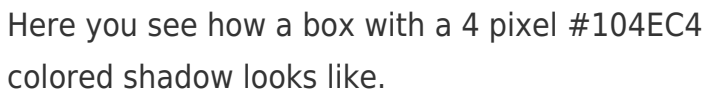
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#104EC4 }
```

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

```
.border{ border-color:#104EC4 }
```

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



Here you see how a box with a 4 pixel #104EC4 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #104EC4; -webkit-box-shadow:4px 4px  
4px 4px #104EC4; box-shadow:4px 4px 4px  
4px #104EC4 }
```

# Background

The CSS property to change the background color of an element to Hex 104EC4 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#104EC4 }
```

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

```
.background{ background-color:#104EC4 }
```

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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