

# Converting Colors

Hex(104EAB)

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

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# Color

**Hex(104EAB)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	104EAB
RGB	16, 78, 171
RGB Percent	6%, 31%, 67%
CMY	0.9373, 0.6941, 0.3294
CMYK	0.91, 0.54, 0.00, 0.33
HSL	216°, 83%, 37%
HSV	216°, 91%, 67%
XYZ	10.2888, 8.4992, 39.6263
YIQ	70.0640, -66.8050, 15.7790

# Conversions

## Conversions Part 2

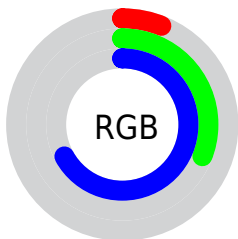
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	16, 60, 171
Decimal	1068715
CIE <sub>Lab</sub>	35.00, 18.46, -54.86
CIE <sub>LCh</sub>	35, 57.880, 288.597
Yxy	8.4992, 0.1761, 0.1455
Android (android.graphics.Color)	4279258795 (0xFF104EAB)
YUV	70.0640, 49.7614, -47.4141
Hunter-Lab	29.1534, 11.9774, -60.1816

# Details

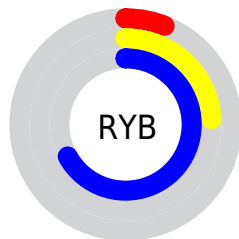
The Hex color **104EAB** is a dark color, and the websafe version is hex **3366CC**. A complement of this color would be **AB6D10**, and the grayscale version is **464646**.

A 20% lighter version of the original color is **5E7EE3**, and **002376** is the 20% darker color. If you saturate the color by 10%, you get **0044AB**, and if you desaturate by 10%, it is **2158AB**.

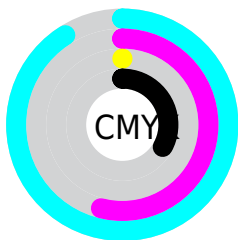
# Distribution



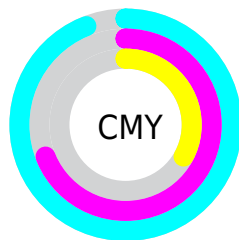
- Red (6%)
- Green (31%)
- Blue (67%)



- Red (6%)
- Yellow (24%)
- Blue (67%)



- Cyan (91%)
- Magenta (54%)
- Yellow (0%)
- Black (33%)



- Cyan (94%)
- Magenta (69%)
- Yellow (33%)

# Brightness & Saturation Gradients

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



■ 104EAB

■ 104EAB

FFFFFF

■ 003890

■ 5E7EE3

■ 002376

■ 7C98FF

■ 00105C

■ 99B3FF

■ 000744

■ B7CEFF

■ 00032D

■ D5EAFF

■ 000117

■ F3FFFF

■ 000000

■ 104EAB

■ 104EAB

■ 0044AB

■ 2158AB

■ 3263AB

■ 436DAB

■ 5477AB

■ 6581AB

■ 778CAB

■ 8896AB

■ 99A0AB

■ AAAAAAB

# Harmonies

## Analogous

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



005DAE



104EAB



763690

# Triad

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



104EAB



923309



00653E

# Complementary

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



104EAB



AB6D10

# 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.



006109



104EAB



734A00

# Square

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



104EAB



A11738



4A5900



00666F

# Rectangle

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



104EAB



922275



4A5900



00642E



# Sweetspot

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



104EAB



A2BADE



10AB6D



4C5B70



F0F0F0



707070



# Same Dimension

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



104EAB



0059DE



1F10AB



4E5157



003C96



000917



# Inverse Universe

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



AB104E



DE0059



9BAB10



574E51



96003C



170009



# Previews

## White Background



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

## Color Contrast Check

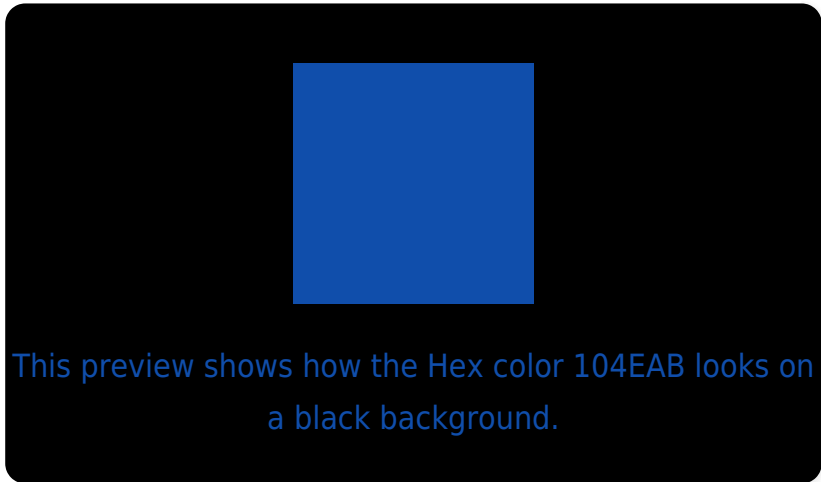
Large Text (above 18pt) WCAG AA ✓ Pass

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

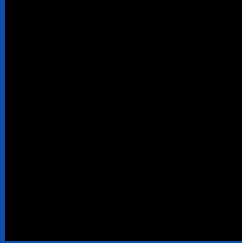
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 104EAB Background



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



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

# 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**  
104EAB

**Protanopia**  
004FA8

**Deuteranopia**  
005491



**Tritanopia**  
005B61

# Trichromacy



**Original Color**  
104EAB

**Protanomaly**  
064FA9

**Deuteranomaly**  
06529A

**Tritanomaly**  
06567C

# Monochromacy



**Original Color**  
104EAB

**Achromatopsia**  
464646

**Achromatomaly**  
32496B

# CSS Examples

## Text

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

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

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 #104EAB colored shadow looks like.

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

## Border

The CSS property to change the border of an element to Hex 104EAB 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".

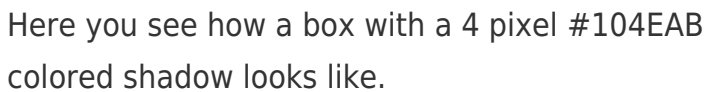
```
.border, #border, table{ border:4px solid
#104EAB }
```

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

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

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

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

A rectangular box with a blue border and a blue shadow. The box is white with a blue border on the top, bottom, and left sides. The right side of the box is open, showing a blue shadow that extends to the right and slightly downwards.

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

# Background

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

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

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

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

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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