

# Converting Colors

Hex(042AE8)

Have a look what the booklet for  
Hex(042AE8) contains.

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**Color**

**Hex(042AE8)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	042AE8
RGB	4, 42, 232
RGB Percent	2%, 16%, 91%
CMY	0.9843, 0.8353, 0.0902
CMYK	0.98, 0.82, 0.00, 0.09
HSL	230°, 97%, 46%
HSV	230°, 98%, 91%
XYZ	15.4435, 7.5079, 76.9791
YIQ	52.2980, -83.6380, 51.0340

# Conversions

## Conversions Part 2

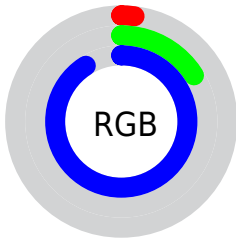
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	4, 37, 232
Decimal	273128
CIE Lab	32.94, 61.91, -93.80
CIE LCh	33, 112.384, 303.425
Yxy	7.5079, 0.1545, 0.0751
Android (android.graphics.Color)	4278463208 (0xFF042AE8)
YUV	52.2980, 88.5931, -42.3573
Hunter-Lab	27.4006, 52.6550, -147.3886

# Details

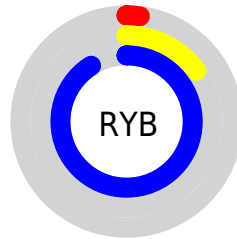
The Hex color **042AE8** is a dark color, and the websafe version is hex **3333FF**. The color can be described as dark washed blue. A complement of this color would be **E8C204**, and the grayscale version is **343434**.

A 20% lighter version of the original color is **715CFF**, and **0000AF** is the 20% darker color. If you saturate the color by 10%, you get **0027E8**, and if you desaturate by 10%, it is **1B3DE8**.

# Distribution



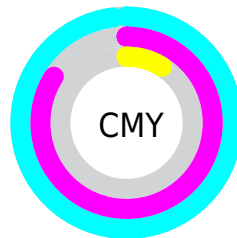
- Red (2%)
- Green (16%)
- Blue (91%)



- Red (2%)
- Yellow (15%)
- Blue (91%)



- Cyan (98%)
- Magenta (82%)
- Yellow (0%)
- Black (9%)



- Cyan (98%)
- Magenta (84%)
- Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 042AE8 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 042AE8 by changing the saturation by 10% instead.




 042AE8

 042AE8

FFFFFF

 0010CB

 715CFF

 0000AF

 9376FF

 000093

 B490FF

 000078

 D5ACFF

 000E5E

 F5C7FF

 000845

 FFE4FF

 00042E

 000118

 000000

■ 042AE8

■ 042AE8

■ 0027E8

■ 1B3DE8

■ 3251E8

■ 4A64E8

■ 6177E8

■ 788BE8

■ 8F9EE8

■ A6B1E8

■ BEC5E8

■ D5D8E8

# Harmonies

## Analogous

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



005CFF



042AE8



B5009F

# Triad

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



042AE8



9A1900



006856

# Complementary

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



042AE8



E8C204

# 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.



006500



042AE8



574F00

# Square

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



042AE8



C90000



006000



006BB0

# Rectangle

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



042AE8



D30065



006000



006737



# Sweetspot

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



042AE8



B5C1FF



04E8C2



535A80



000000



808080



# Same Dimension

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



042AE8



002BFF



5004E8



676973



001EB3



000933



# Inverse Universe

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



E8042A



FF002B



9CE804



736769



B3001E

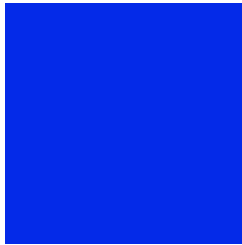


330009



# Previews

## White Background



This preview shows how the Hex color 042AE8 looks on a white background.

## Color Contrast Check

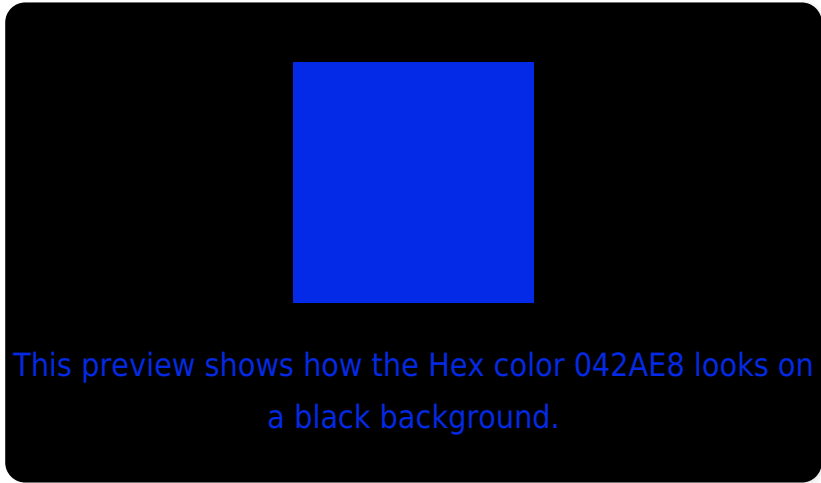
Large Text (above 18pt) WCAG AA ✓ Pass

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

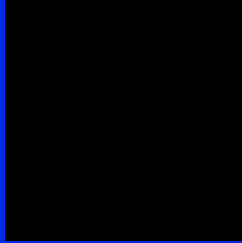
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 042AE8 Background



This preview shows how black text looks on a background with the Hex color 042AE8.

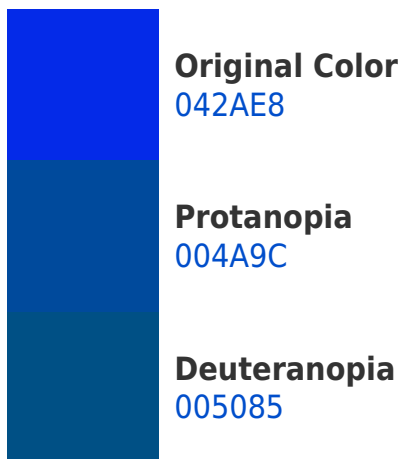



This preview shows how white text looks on a background with the Hex color 042AE8.

# 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**  
00565A

# Trichromacy



**Original Color**  
042AE8

**Protanomaly**  
013EB8

**Deuteranomaly**  
0142A9

**Tritanomaly**  
01468E

# Monochromacy



**Original Color**  
042AE8

**Achromatopsia**  
343434

**Achromatomaly**  
233075

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 042AE8 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 #042AE8 looks like.

```
.text, #text, p{  
    color:#042AE8  
}
```

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 #042AE8 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #042AE8
}
```

## Border

The CSS property to change the border of an element to Hex 042AE8 is called "border". The border property can be set on classes, ids or directly on the HTML element.

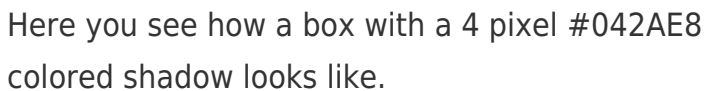
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#042AE8 }
```

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

```
.border{ border-color:#042AE8 }
```

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



Here you see how a box with a 4 pixel #042AE8 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #042AE8; -webkit-box-shadow:4px 4px  
4px 4px #042AE8; box-shadow:4px 4px 4px  
4px #042AE8 }
```

# Background

The CSS property to change the background color of an element to Hex 042AE8 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#042AE8 }
```

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

```
.background{ background-color:#042AE8 }
```

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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