

# Converting Colors

Hex(4040D8)

Have a look what the booklet for  
Hex(4040D8) contains.

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# Color

**Hex(4040D8)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	4040D8
RGB	64, 64, 216
RGB Percent	25%, 25%, 85%
CMY	0.7490, 0.7490, 0.1529
CMYK	0.70, 0.70, 0.00, 0.15
HSL	240°, 66%, 55%
HSV	240°, 70%, 85%
XYZ	16.3424, 9.7146, 65.9795
YIQ	81.3280, -48.7920, 47.2720

# Conversions

## Conversions Part 2

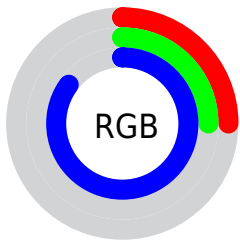
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	64, 64, 216
Decimal	4210904
CIE <sub>Lab</sub>	37.33, 48.18, -77.30
CIE <sub>LCh</sub>	37, 91.090, 301.935
Yxy	9.7146, 0.1776, 0.1056
Android (android.graphics.Color)	4282400984 (0xFF4040D8)
YUV	81.3280, 66.3933, -15.1967
Hunter-Lab	31.1683, 39.0479, -103.6918

# Details

The Hex color **4040D8** is a dark color, and the websafe version is hex **3333CC**. The color can be described as dark muted blue. A complement of this color would be **D8D840**, and the grayscale version is **515151**.

A 20% lighter version of the original color is **8371FF**, and **0013A0** is the 20% darker color. If you saturate the color by 10%, you get **2A2AD8**, and if you desaturate by 10%, it is **5656D8**.

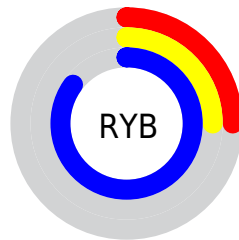
# Distribution



Red (25%)

Green (25%)

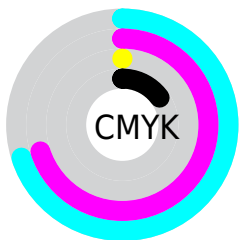
Blue (85%)



Red (25%)

Yellow (25%)

Blue (85%)

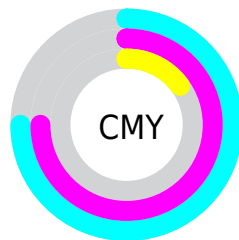


Cyan (70%)

Magenta (70%)

Yellow (0%)

Black (15%)



Cyan (75%)

Magenta (75%)

Yellow (15%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 4040D8 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 4040D8 by changing the saturation by 10% instead.



 4040D8

 4040D8

FFFFFF

 0429BC

 8371FF

 0013A0

 A28BFF

 000085

 C1A6FF

 00006A

 E0C1FF

 000B51

 FFDDFF

 000539

 FFFAFF

 000223

 000009

 000000

 4040D8

 4040D8


 2A2AD8

 5656D8

 1515D8

 6B6BD8

 0000D8

 8181D8

 9696D8

 ACACD8

 C2C2D8

 D7D7D8

 EDEDD8

 FFFFD8

# Harmonies

## Analogous

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



0063EF



4040D8



AD009F

# Triad

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



4040D8



A03300



00725B

# Complementary

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



4040D8



D8D840

# 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.



006F00



4040D8



685700

# Square

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



4040D8



C5000E



006800



0073A5

# Rectangle

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



4040D8



C8006F



006800



007141



# Sweetspot

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



4040D8



C9C9FF



40D8D8



606080



000000



808080



# Same Dimension

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



4040D8



2929FF



8C40D8



60606B



0000AB



00002B



# Inverse Universe

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



D840D8



FF29FF



8CD840



6B606B



AB00AB

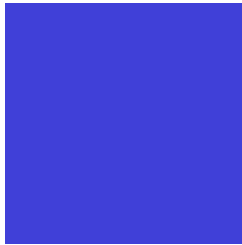


2B002B



# Previews

## White Background



This preview shows how the Hex color 4040D8 looks on a white background.

## Color Contrast Check

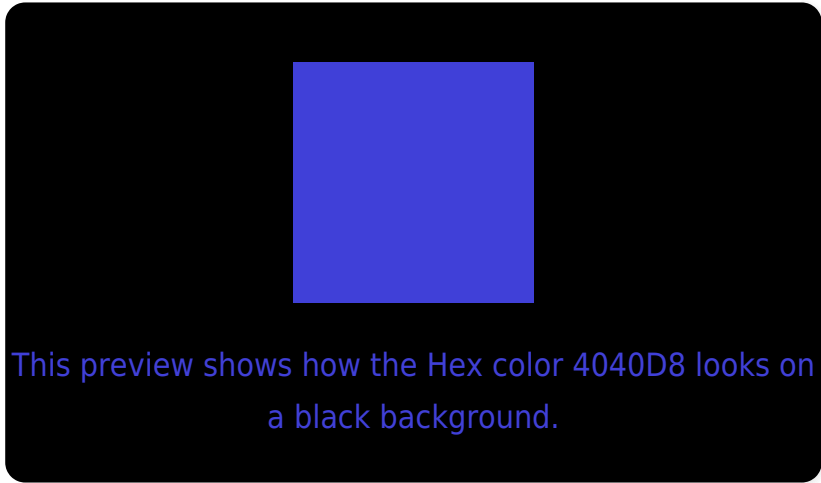
Large Text (above 18pt) WCAG AA ✓ Pass

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

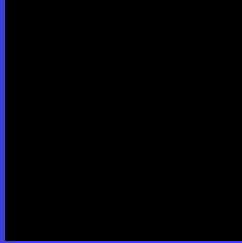
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 4040D8 Background



This preview shows how black text looks on a background with the Hex color 4040D8.

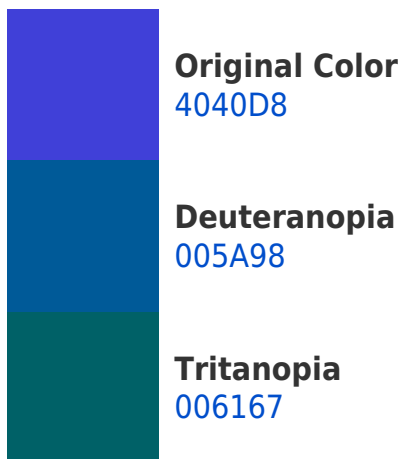


This preview shows how white text looks on a background with the Hex color 4040D8.

# 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



# Trichromacy



**Original Color**  
4040D8

**Deuteranomaly**  
1751AF

**Tritanomaly**  
175590

# Monochromacy



**Original Color**  
4040D8

**Achromatopsia**  
515151

**Achromatomaly**  
4B4B82

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 4040D8 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 #4040D8 looks like.

```
.text, #text, p{  
    color:#4040D8  
}
```

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 #4040D8 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #4040D8
}
```

## Border

The CSS property to change the border of an element to Hex 4040D8 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
#4040D8 }
```

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

```
.border{ border-color:#4040D8 }
```

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

Here you see how a box with a 4 pixel #4040D8 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #4040D8; -webkit-box-shadow:4px 4px  
4px 4px #4040D8; box-shadow:4px 4px 4px  
4px #4040D8 }
```

# Background

The CSS property to change the background color of an element to Hex 4040D8 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#4040D8 }
```

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

```
.background{ background-color:#4040D8 }
```

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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