

# Converting Colors

Hex(020DB2)

Have a look what the booklet for  
Hex(020DB2) contains.

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# Color

**Hex(020DB2)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	020DB2
RGB	2, 13, 178
RGB Percent	1%, 5%, 70%
CMY	0.9922, 0.9490, 0.3020
CMYK	0.99, 0.93, 0.00, 0.30
HSL	236°, 98%, 35%
HSV	236°, 99%, 70%
XYZ	8.2048, 3.5151, 42.3655
YIQ	28.5210, -59.5210, 48.9830

# Conversions

## Conversions Part 2

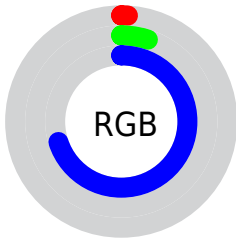
Format	Color
<a href="#">RYB</a>	<a href="#">2, 12, 178</a>
Decimal	<a href="#">134578</a>
CIELab	<a href="#">22.00, 57.19, -80.49</a>
CIELCh	<a href="#">22, 98.741, 305.393</a>
Yxy	<a href="#">3.5151, 0.1517, 0.0650</a>
Android (android.graphics.Color)	<a href="#">4278324658 (0xFF020DB2)</a>
YUV	<a href="#">28.5210, 73.6931, -23.2589</a>
Hunter-Lab	<a href="#">18.7486, 45.3058, -120.8513</a>

# Details

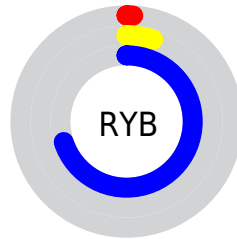
The Hex color **020DB2** is a dark color, and the websafe version is hex **000099**. A complement of this color would be **B2A702**, and the grayscale version is **1C1C1C**.

A 20% lighter version of the original color is **6242EB**, and **00007C** is the 20% darker color. If you saturate the color by 10%, you get **000BB2**, and if you desaturate by 10%, it is **141EB2**.

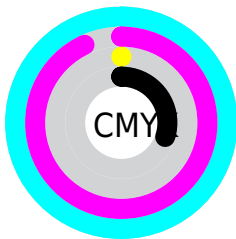
# Distribution



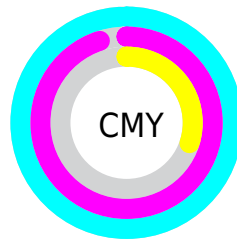
- Red (1%)
- Green (5%)
- Blue (70%)



- Red (1%)
- Yellow (5%)
- Blue (70%)



- Cyan (99%)
- Magenta (93%)
- Yellow (0%)
- Black (30%)



- Cyan (99%)
- Magenta (95%)
- Yellow (30%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 020DB2 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 020DB2 by changing the saturation by 10% instead.



020DB2

020DB2

FFFFFF

000096

6242EB

00007C

825BFF

000062

A175FF

000949

C090FF

000431

DFABFF

00011B

FEC7FF

000000

FFE3FF

020DB2

020DB2

■ 000BB2

■ 141EB2

■ 262EB2

■ 373FB2

■ 4950B2

■ 5B60B2

■ 6D71B2

■ 7F82B2

■ 9093B2

■ A2A3B2

# Harmonies

## Analogous

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



0041D0



020DB2



8D0074

# Triad

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



020DB2



6F0800



004A41

# Complementary

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



020DB2



B2A702

# 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.



004800



020DB2



363700

# Square

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



020DB2



960000



004400



004C8B

# Rectangle

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



020DB2



A20044



004400



004927



# Sweetspot

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



020DB2



A2A7E8



02B2A6



4B4E75



F5F5F5



757575



# Same Dimension

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



020DB2



000FE8



4E02B2



505159



000A99



00021A



# Inverse Universe

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



B2020D



E8000F



66B202



595051



99000A

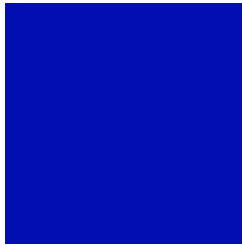


1A0002



# Previews

## White Background



This preview shows how the Hex color 020DB2 looks on a white background.

## Color Contrast Check

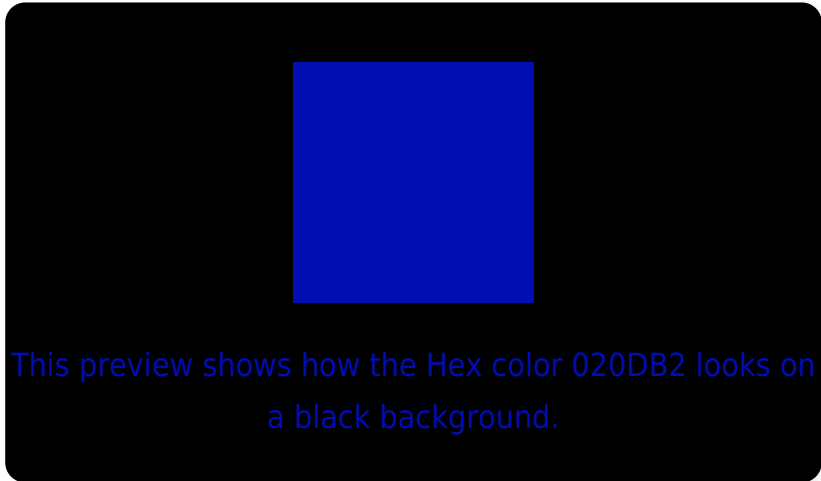
Large Text (above 18pt) WCAG AA ✓ Pass

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

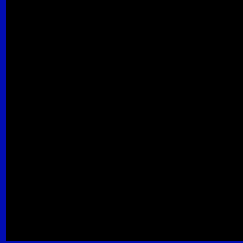
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 020DB2 Background



This preview shows how black text looks on a background with the Hex color 020DB2.



This preview shows how white text looks on a background with the Hex color 020DB2.

# 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**  
020DB2

**Protanopia**  
00356F

**Deuteranopia**  
00385E



**Tritanopia**  
003D3F

# Trichromacy



**Original Color**  
020DB2

**Protanomaly**  
012687

**Deuteranomaly**  
01287D

**Tritanomaly**  
012C69

# Monochromacy



**Original Color**  
020DB2

**Achromatopsia**  
1D1D1D

**Achromatomaly**  
131753

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 020DB2 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 #020DB2 looks like.

```
.text, #text, p{  
    color:#020DB2  
}
```

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 #020DB2 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #020DB2
}
```

## Border

The CSS property to change the border of an element to Hex 020DB2 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".

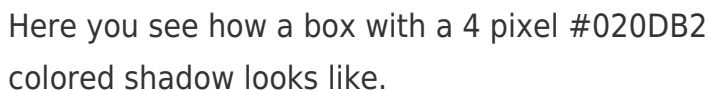
```
.border, #border, table{ border:4px solid
#020DB2 }
```

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

```
.border{ border-color:#020DB2 }
```

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

Here you see how a box with a 4 pixel #020DB2 colored shadow looks like.

A rectangular box with a blue border and a blue shadow. The box is white with a blue border and a blue shadow. The shadow is a 4px offset to the right and bottom of the box.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #020DB2; -webkit-box-shadow:4px 4px  
4px 4px #020DB2; box-shadow:4px 4px 4px  
4px #020DB2 }
```

# Background

The CSS property to change the background color of an element to Hex 020DB2 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#020DB2 }
```

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

```
.background{ background-color:#020DB2 }
```

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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