

# Converting Colors

Hex(020088)

Have a look what the booklet for  
Hex(020088) contains.

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# Color

**Hex(020088)**

# Conversions

## Conversions Part 1

Format	Color
Hex	020088
RGB	2, 0, 136
RGB Percent	1%, 0%, 53%
CMY	0.9922, 1.0000, 0.4667
CMYK	0.99, 1.00, 0.00, 0.47
HSL	241°, 100%, 27%
HSV	241°, 100%, 53%
XYZ	4.4690, 1.7905, 23.4026
YIQ	16.1020, -42.4640, 42.7200

# Conversions

## Conversions Part 2

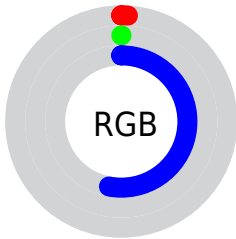
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	2, 0, 136
Decimal	131208
CIE <sub>Lab</sub>	14.35, 49.66, -67.48
CIE <sub>LCh</sub>	14, 83.783, 306.350
Yxy	1.7905, 0.1507, 0.0604
Android (android.graphics.Color)	4278321288 (0xFF020088)
YUV	16.1020, 59.1097, -12.3675
Hunter-Lab	13.3809, 36.1992, -94.3291

# Details

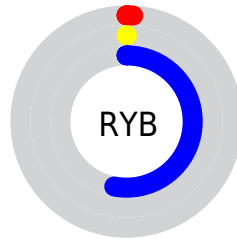
The Hex color **020088** is a dark color, and the websafe version is hex **000099**. A complement of this color would be **868800**, and the grayscale version is **101010**.

A 20% lighter version of the original color is **5634BF**, and **000054** is the 20% darker color. If you saturate the color by 10%, you get **020088**, and if you desaturate by 10%, it is **0F0E88**.

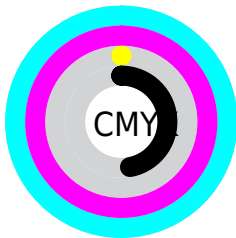
# Distribution



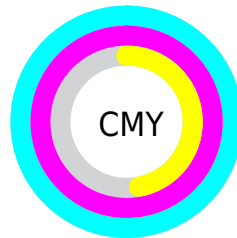
- Red (1%)
- Green (0%)
- Blue (53%)



- Red (1%)
- Yellow (0%)
- Blue (53%)



- Cyan (99%)
- Magenta (100%)
- Yellow (0%)
- Black (47%)



- Cyan (99%)
- Magenta (100%)
- Yellow (47%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 020088 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 020088 by changing the saturation by 10% instead.



 020088

 020088

 FFEFFF


 00006E

 5634BF

 000054

 744DDB

 00063C

 9166F8

 000225

 AE80FF

 00010E

 CC9AFF

 000000

 EAB6FF

 FFD2FF

 020088

■ 0F0E88

■ 1D1B88

■ 2A2988

■ 383688

■ 454488

■ 525288

■ 605F88

■ 6D6D88

■ 7B7A88

# Harmonies

## Analogous

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



002EA1



020088



6C0055

# Triad

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



020088



510300



003430

# Complementary

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



020088



868800

# 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.



003300



020088



232700

# Square

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



020088



710000



003100



00386C

# Rectangle

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



020088



7C002F



003100



00341B



# Sweetspot

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



020088



7C7BB0



008888



3A3959



D9D9D9



595959



# Same Dimension

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



020088



0300B0



440088



3E3E45



020085



000005



# Inverse Universe

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



880086



B000AD



448800



453E45



850083

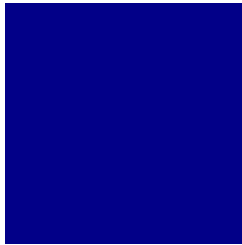


050005



# Previews

## White Background



This preview shows how the Hex color 020088 looks on a white background.

## Color Contrast Check

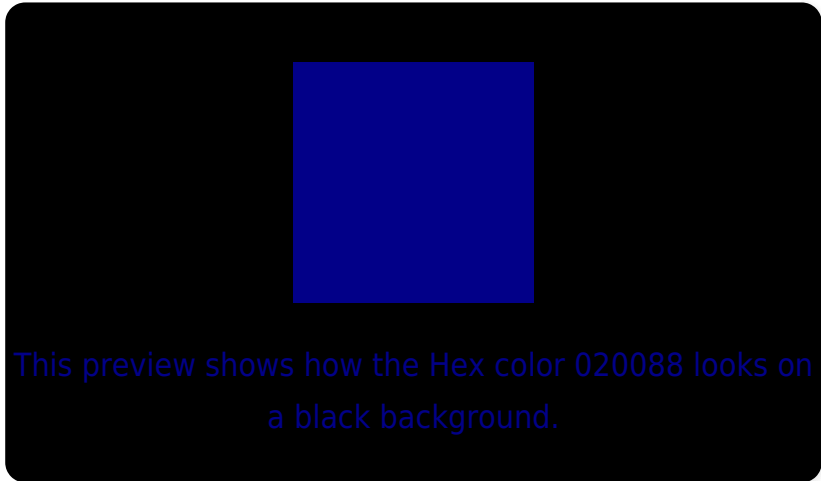
Large Text (above 18pt) WCAG AA ✓ Pass

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

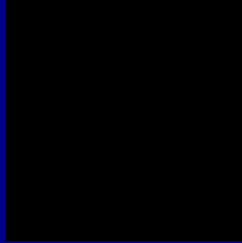
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 020088 Background



This preview shows how black text looks on a background with the Hex color 020088.



This preview shows how white text looks on a background with the Hex color 020088.

# 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**  
020088

**Protanopia**  
002853

**Deuteranopia**  
002A46



# Trichromacy



**Original Color**  
020088

**Protanomaly**  
011966

**Deuteranomaly**  
011B5E

**Tritanomaly**  
011D50

# Monochromacy



**Original Color**  
020088

**Achromatopsia**  
101010

**Achromatomaly**  
0B0A3C

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 020088 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 #020088 looks like.

```
.text, #text, p{  
    color:#020088  
}
```

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 #020088 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #020088
}
```

## Border

The CSS property to change the border of an element to Hex 020088 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
#020088 }
```

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

```
.border{ border-color:#020088 }
```

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

Here you see how a box with a 4 pixel #020088 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #020088; -webkit-box-shadow:4px 4px  
4px 4px #020088; box-shadow:4px 4px 4px  
4px #020088 }
```

# Background

The CSS property to change the background color of an element to Hex 020088 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#020088 }
```

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

```
.background{ background-color:#020088 }
```

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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