

# Converting Colors

Hex(033B87)

Have a look what the booklet for  
Hex(033B87) contains.

<b>Hex(033B87)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	23
<b><i>Color Blindness Simulation</i></b> .....	26
<b><i>CSS Examples</i></b> .....	29

# Color

**Hex(033B87)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	033B87
RGB	3, 59, 135
RGB Percent	1%, 23%, 53%
CMY	0.9882, 0.7686, 0.4706
CMYK	0.98, 0.56, 0.00, 0.47
HSL	215°, 96%, 27%
HSV	215°, 98%, 53%
XYZ	5.9747, 4.8966, 23.5519
YIQ	50.9200, -57.7720, 11.7640

# Conversions

## Conversions Part 2

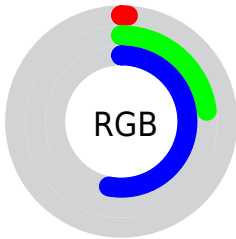
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	3, 42, 135
Decimal	211847
CIE <sub>Lab</sub>	26.44, 15.88, -46.89
CIE <sub>LCh</sub>	26, 49.505, 288.714
Yxy	4.8966, 0.1736, 0.1422
Android (android.graphics.Color)	4278401927 (0xFF033B87)
YUV	50.9200, 41.4514, -42.0258
Hunter-Lab	22.1282, 9.4714, -47.6150

# Details

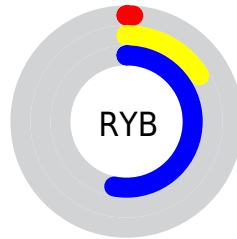
The Hex color **033B87** is a dark color, and the websafe version is hex **003366**. A complement of this color would be **874F03**, and the grayscale version is **333333**.

A 20% lighter version of the original color is **506ABD**, and **001354** is the 20% darker color. If you saturate the color by 10%, you get **003987**, and if you desaturate by 10%, it is **104387**.

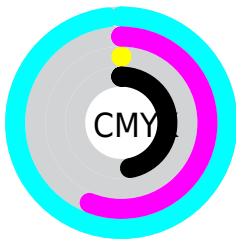
# Distribution



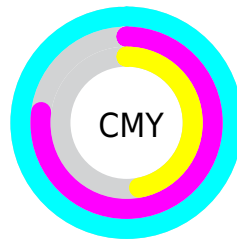
- Red (1%)
- Green (23%)
- Blue (53%)



- Red (1%)
- Yellow (16%)
- Blue (53%)



- Cyan (98%)
- Magenta (56%)
- Yellow (0%)
- Black (47%)



- Cyan (99%)
- Magenta (77%)
- Yellow (47%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 033B87 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 033B87 by changing the saturation by 10% instead.





033B87



033B87

FFFFFF



00266D



506ABD



001354



6D83D9



00063C



899CF6



000226



A6B7FF



00010F



C2D3FF



000000



E0EFFF



FDFFFF



033B87



033B87

■ 003987

■ 104387

■ 1E4B87

■ 2B5287

■ 395A87

■ 466287

■ 546A87

■ 617187

■ 6F7987

■ 7D8187

# Harmonies

## Analogous

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



004789



033B87



5C2771

# Triad

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



033B87



722501



004E2E

# Complementary

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



033B87



874F03

# 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.



004B03



033B87



593800

# Square

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



033B87



7F0B29



384400



004F56

# Rectangle

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



033B87



72155B



384400



004D21



# Sweetspot

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



033B87



7D93B0



03874E



3A4759



D9D9D9



595959



# Same Dimension

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



033B87



004BB0



0C0387



3C3E42



003782



000103



# Inverse Universe

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



87033B



B0004B



7E8703



423C3E



820037



030001



# Previews

## White Background



This preview shows how the Hex color 033B87 looks on a white background.

## Color Contrast Check

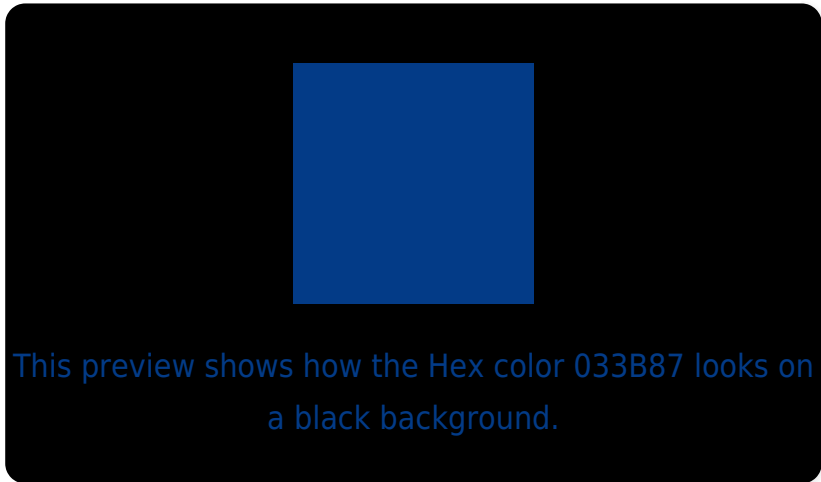
Large Text (above 18pt) WCAG AA ✓ Pass

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 033B87 Background



This preview shows how black text looks on a background with the Hex color 033B87.



This preview shows how white text looks on a background with the Hex color 033B87.

# 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**  
033B87

**Protanopia**  
003D81

**Deuteranopia**  
00416F



**Tritanopia**  
00464A

# Trichromacy



**Original Color**  
033B87

**Protanomaly**  
013C83

**Deuteranomaly**  
013F78

**Tritanomaly**  
014260

# Monochromacy



**Original Color**  
033B87

**Achromatopsia**  
333333

**Achromatomaly**  
223652

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 033B87 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 #033B87 looks like.

```
.text, #text, p{  
    color:#033B87  
}
```

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 #033B87 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #033B87
}
```

## Border

The CSS property to change the border of an element to Hex 033B87 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
#033B87 }
```

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

```
.border{ border-color:#033B87 }
```

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

Here you see how a box with a 4 pixel #033B87 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #033B87; -webkit-box-shadow:4px 4px  
4px 4px #033B87; box-shadow:4px 4px 4px  
4px #033B87 }
```

# Background

The CSS property to change the background color of an element to Hex 033B87 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#033B87 }
```

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

```
.background{ background-color:#033B87 }
```

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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