

# Converting Colors

Hex(2E0031)

Have a look what the booklet for  
Hex(2E0031) contains.

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**Color**

**Hex(2E0031)**

# Conversions

## Conversions Part 1

Format	Color
Hex	2E0031
RGB	46, 0, 49
RGB Percent	18%, 0%, 19%
CMY	0.8196, 1.0000, 0.8078
CMYK	0.06, 1.00, 0.00, 0.81
HSL	296°, 100%, 10%
HSV	296°, 100%, 19%
XYZ	1.6811, 0.8026, 2.9720
YIQ	19.3400, 11.6870, 24.9910

# Conversions

## Conversions Part 2

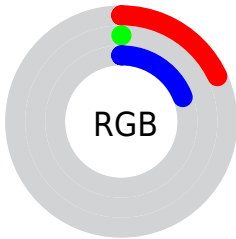
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	46, 0, 49
Decimal	3014705
CIE Lab	7.25, 30.06, -20.13
CIE LCh	7, 36.178, 326.187
Yxy	0.8026, 0.3081, 0.1471
Android (android.graphics.Color)	4281204785 (0xFF2E0031)
YUV	19.3400, 14.6224, 23.3808
Hunter-Lab	8.9588, 17.8173, -13.3982

# Details

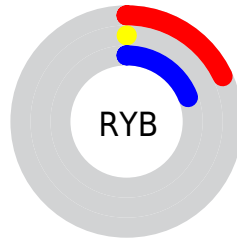
The Hex color **2E0031** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **033100**, and the grayscale version is **131313**.

A 20% lighter version of the original color is **5E2E60**, and **000000** is the 20% darker color. If you saturate the color by 10%, you get **2E0031**, and if you desaturate by 10%, it is **2E0531**.

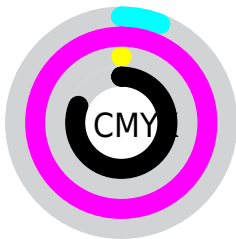
# Distribution



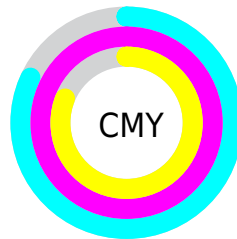
- Red (18%)
- Green (0%)
- Blue (19%)



- Red (18%)
- Yellow (0%)
- Blue (19%)



- Cyan (6%)
- Magenta (100%)
- Yellow (0%)
- Black (81%)



- Cyan (82%)
- Magenta (100%)
- Yellow (81%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2E0031 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 2E0031 by changing the saturation by 10% instead.



 2E0031

 2E0031

 FFE4FF

 18001C

 5E2E60

 000000

 784678

 925E92

 AD77AD

 C991C8

 E5ACE5

 FFC8FF

 2E0031

■ 2E0531

■ 2F0A31

■ 2F0F31

■ 2F1431

■ 301931

■ 301D31

■ 302231

■ 302731

■ 312C31

# Harmonies

## Analogous

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



011142



2E0031



3C001A

# Triad

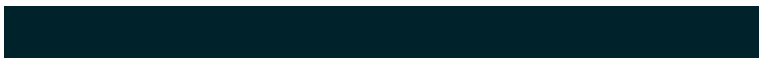
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



2E0031



201400



00222B

# Complementary

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



2E0031



033100

# 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.



002111



2E0031



001C00

# Square

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



2E0031



310700



002000



00203E

# Rectangle

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



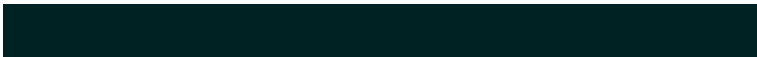
2E0031



3D0004



002000



002223



# Sweetspot

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



2E0031



3F2D40



000331



201521



A1A1A1



212121



# Same Dimension

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



2E0031



3C0040



31001C



19171A



540059



CB00D9



# Inverse Universe

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



310003



400004



003115



1A1717



590005

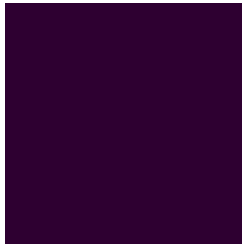


D9000D



# Previews

## White Background



This preview shows how the Hex color 2E0031 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

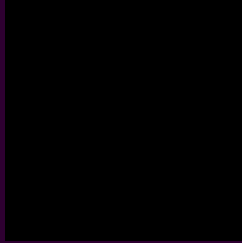
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 2E0031 Background



This preview shows how black text looks on a background with the Hex color 2E0031.



This preview shows how white text looks on a background with the Hex color 2E0031.

# 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](#).

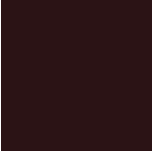
## Dichromacy



**Original Color**  
2E0031

**Protanopia**  
001A37

**Deuteranopia**  
0C1B2E



**Tritanopia**  
2B1315

# Trichromacy



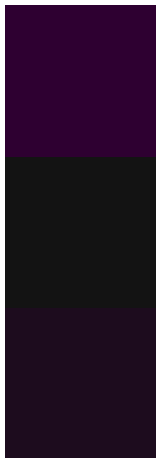
**Original Color**  
2E0031

**Protanomaly**  
111135

**Deuteranomaly**  
18112F

**Tritanomaly**  
2C0C1F

# Monochromacy



**Original Color**  
2E0031

**Achromatopsia**  
131313

**Achromatomaly**  
1D0C1E

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2E0031 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 #2E0031 looks like.

```
.text, #text, p{  
    color:#2E0031  
}
```

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 #2E0031 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2E0031  
}
```

## Border

The CSS property to change the border of an element to Hex 2E0031 is called "border". The border property can be set on classes, ids or directly on the HTML element.

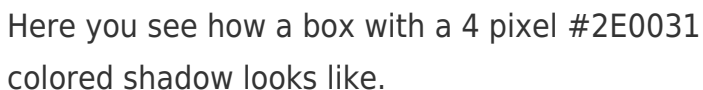
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid  
#2E0031 }
```

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

```
.border{ border-color:#2E0031 }
```

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



Here you see how a box with a 4 pixel #2E0031 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2E0031; -webkit-box-shadow:4px 4px  
4px 4px #2E0031; box-shadow:4px 4px 4px  
4px #2E0031 }
```

# Background

The CSS property to change the background color of an element to Hex 2E0031 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2E0031 }
```

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

```
.background{ background-color:#2E0031 }
```

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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