

# Converting Colors

Hex(040301)

Have a look what the booklet for  
Hex(040301) contains.

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# Color

**Hex(040301)**

# Conversions

## Conversions Part 1

Format	Color
Hex	040301
RGB	4, 3, 1
RGB Percent	2%, 1%, 0%
CMY	0.9843, 0.9882, 0.9961
CMYK	0.00, 0.25, 0.75, 0.98
HSL	40°, 60%, 1%
HSV	40°, 75%, 2%
XYZ	0.0881, 0.0931, 0.0420
YIQ	3.0710, 1.2380, -0.4100

# Conversions

## Conversions Part 2

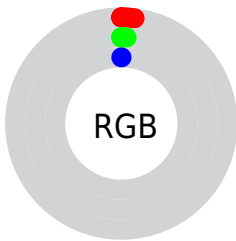
Format	Color
<a href="#">RYB</a>	<a href="#">3, 4, 1</a>
Decimal	<a href="#">262913</a>
CIELab	<a href="#">0.84, -0.02, 0.85</a>
CIELCh	<a href="#">1, 0.849, 91.119</a>
Yxy	<a href="#">0.0931, 0.3946, 0.4171</a>
Android (android.graphics.Color)	<a href="#">4278452993</a> (0xFF040301)
YUV	<a href="#">3.0710, -1.0210, 0.8147</a>
Hunter-Lab	<a href="#">3.0517, -0.1867, 1.3193</a>

# Details

The Hex color **040301** is a dark color, and the websafe version is hex **000000**. A complement of this color would be **010204**, and the grayscale version is **030303**.

A 20% lighter version of the original color is **333231**, and **000000** is the 20% darker color. If you saturate the color by 10%, you get **040301**, and if you desaturate by 10%, it is **040301**.

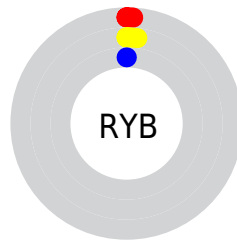
# Distribution



Red (2%)

Green (1%)

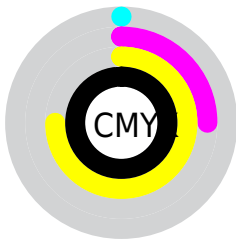
Blue (0%)



Red (1%)

Yellow (2%)

Blue (0%)

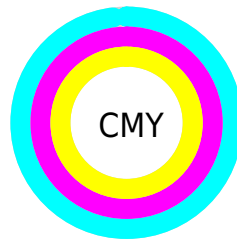


Cyan (0%)

Magenta (25%)

Yellow (75%)

Black (98%)



Cyan (98%)

Magenta (99%)

Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 040301 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 040301 by changing the saturation by 10% instead.

 040301


 040301

 E5E5E3

 000000

 333231

 494947

 61605F

 7A7978

 939391

 AEADAC

 C9C9C7

 040301

 040301

■ 040300

■ 040302

■ 040403

■ 040404

■ 040405

# Harmonies

## Analogous

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



050301



040301



030301

# Triad

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



040301



010404



050304

# Complementary

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



040301



010204

# 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.



030305



040301



010305

# Square

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



040301



010403



020305



050203

# Rectangle

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



040301



020402



020305



040304

# Sweetspot

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



040301



050504



040102



030202



828282



030303



# Same Dimension

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



040301



050401



040401



030202



422C00



C28100



# Inverse Universe

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



010204



010205



010104



020203



001642

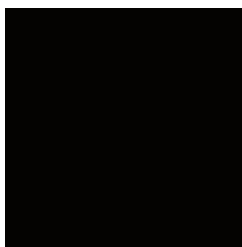


0041C2



# Previews

## White Background



This preview shows how the Hex color 040301 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

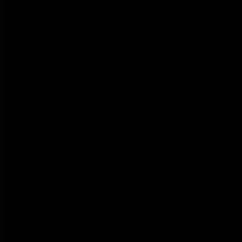
Any Text WCAG AA × Fail

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 040301 Background



This preview shows how black text looks on a background with the Hex color 040301.



This preview shows how white text looks on a background with the Hex color 040301.

# 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](#).

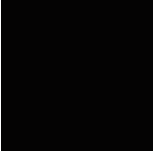
## Dichromacy



**Original Color**  
040301

**Protanopia**  
040301

**Deuteranopia**  
040301



**Tritanopia**  
040303

# Trichromacy



**Original Color**  
040301

**Protanomaly**  
040301

**Deuteranomaly**  
040301

**Tritanomaly**  
040302

# Monochromacy



**Original Color**  
040301

**Achromatopsia**  
030303

**Achromatomaly**  
030302

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 040301 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 #040301 looks like.

```
.text, #text, p{  
    color:#040301  
}
```

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 #040301 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #040301
}
```

## Border

The CSS property to change the border of an element to Hex 040301 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
#040301 }
```

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

```
.border{ border-color:#040301 }
```

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

Here you see how a box with a 4 pixel #040301 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #040301; -webkit-box-shadow:4px 4px  
4px 4px #040301; box-shadow:4px 4px 4px  
4px #040301 }
```

# Background

The CSS property to change the background color of an element to Hex 040301 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#040301 }
```

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

```
.background{ background-color:#040301 }
```

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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