

# Converting Colors

Hex(2F3010)

Have a look what the booklet for  
Hex(2F3010) contains.

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**Color**

**Hex(2F3010)**

# Conversions

## Conversions Part 1

Format	Color
Hex	2F3010
RGB	47, 48, 16
RGB Percent	18%, 19%, 6%
CMY	0.8157, 0.8118, 0.9373
CMYK	0.02, 0.00, 0.67, 0.81
HSL	62°, 50%, 13%
HSV	62°, 67%, 19%
XYZ	2.3228, 2.7557, 0.8997
YIQ	44.0530, 9.6760, -10.1640

# Conversions

## Conversions Part 2

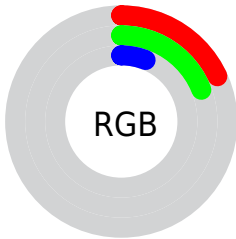
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	16, 48, 17
Decimal	3092496
CIE <sub>Lab</sub>	19.04, -5.93, 19.95
CIE <sub>LCh</sub>	19, 20.816, 106.541
Yxy	2.7557, 0.3885, 0.4610
Android (android.graphics.Color)	4281282576 (0xFF2F3010)
YUV	44.0530, -13.8301, 2.5845
Hunter-Lab	16.6002, -4.0738, 8.4068

# Details

The Hex color **2F3010** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **111030**, and the grayscale version is **2C2C2C**.

A 20% lighter version of the original color is **5E5E3B**, and **000000** is the 20% darker color. If you saturate the color by 10%, you get **2F300B**, and if you desaturate by 10%, it is **2F3015**.

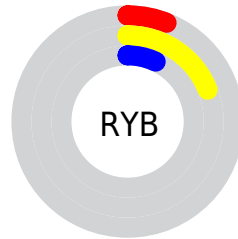
# Distribution



Red (18%)

Green (19%)

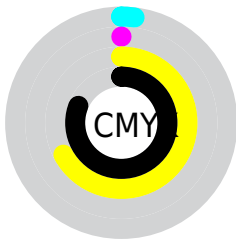
Blue (6%)



Red (6%)

Yellow (19%)

Blue (7%)

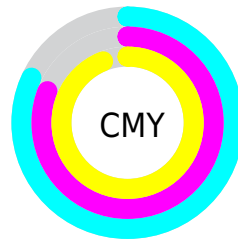


Cyan (2%)

Magenta (0%)

Yellow (67%)

Black (81%)



Cyan (82%)

Magenta (81%)

Yellow (94%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2F3010 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 2F3010 by changing the saturation by 10% instead.



 2F3010

 2F3010


 FFFFF2

 1B1B00

 5E5E3B

 000000

 777653

 91906B

 ACAB84

 C7C69F

 E4E2BA

 FFFED5

 2F3010

 2F3010

■ 2F300B

■ 2F3015

■ 2F3006

■ 2F301A

■ 2F3002

■ 2F301E

■ 2F3000

■ 303023

■ 303028

■ 30302D

■ 303032

■ 303036

■ 30303B

# Harmonies

## Analogous

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



3D2B10



2F3010



1E3419

# Triad

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



2F3010



003544



472236

# Complementary

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



2F3010



111030

# 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.



3A2743



2F3010



00324B

# Square

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



2F3010



003636



242D4B



4B2226

# Rectangle

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



2F3010



0F3522



242D4B



43243B



# Sweetspot

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



2F3010



3D3D31



301110



1E1F17



9E9E9E



1F1F1F



# Same Dimension

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



2F3010



3C3D0C



1F3010



171715



545700



D0D600



# Inverse Universe

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



111030



0E0C3D



211030



151517



030057



0700D6



# Previews

## White Background



This preview shows how the Hex color 2F3010 looks on a white background.

## Color Contrast Check

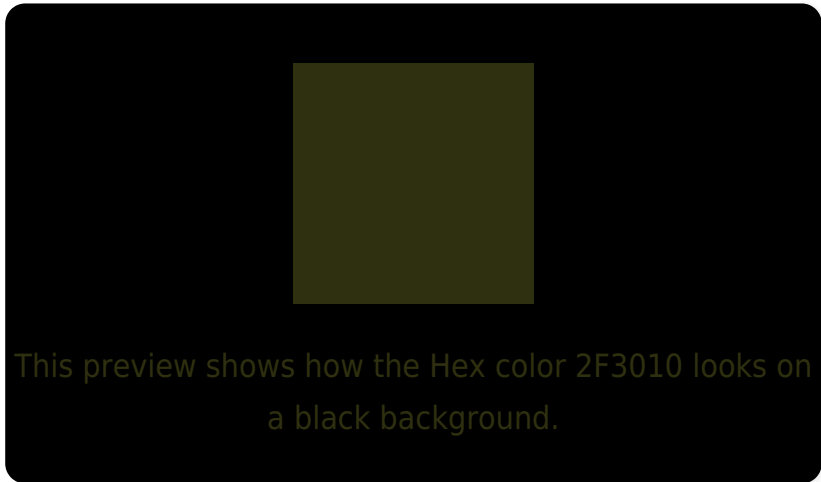
Large Text (above 18pt) WCAG AA ✓ Pass

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

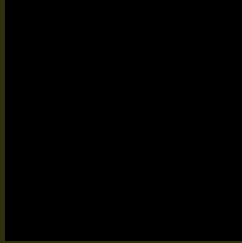
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

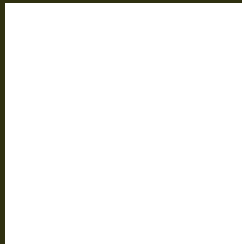
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 2F3010 Background



This preview shows how black text looks on a background with the Hex color 2F3010.

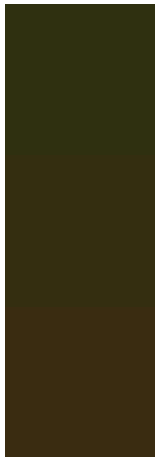


This preview shows how white text looks on a background with the Hex color 2F3010.

# 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**  
2F3010

**Protanopia**  
342E10

**Deuteranopia**  
3A2C11



**Tritanopia**  
322D30

# Trichromacy



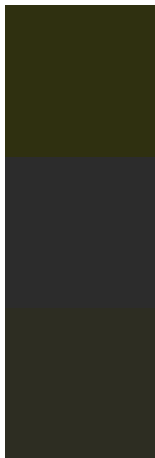
**Original Color**  
2F3010

**Protanomaly**  
322F10

**Deuteranomaly**  
362D11

**Tritanomaly**  
312E24

# Monochromacy



**Original Color**  
2F3010

**Achromatopsia**  
2C2C2C

**Achromatomaly**  
2D2D22

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2F3010 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 #2F3010 looks like.

```
.text, #text, p{  
    color:#2F3010  
}
```

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 #2F3010 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2F3010
}
```

## Border

The CSS property to change the border of an element to Hex 2F3010 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
#2F3010 }
```

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

```
.border{ border-color:#2F3010 }
```

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

Here you see how a box with a 4 pixel #2F3010 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2F3010; -webkit-box-shadow:4px 4px  
4px 4px #2F3010; box-shadow:4px 4px 4px  
4px #2F3010 }
```

# Background

The CSS property to change the background color of an element to Hex 2F3010 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2F3010 }
```

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

```
.background{ background-color:#2F3010 }
```

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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