

Converting Colors

Hex(2F3031)

Have a look what the booklet for
Hex(2F3031) contains.

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Color

Hex(2F3031)

Conversions

Conversions Part 1

Format	Color
Hex	2F3031
RGB	47, 48, 49
RGB Percent	18%, 19%, 19%
CMY	0.8157, 0.8118, 0.8078
CMYK	0.04, 0.02, 0.00, 0.81
HSL	210°, 2%, 19%
HSV	210°, 4%, 19%
XYZ	2.7836, 2.9400, 3.3265
YIQ	47.8150, -0.9170, 0.0990

Conversions

Conversions Part 2

Format	Color
R_{YB}	47, 48, 49
Decimal	3092529
CIE _{Lab}	19.80, -0.20, -0.80
CIE _{LCh}	20, 0.820, 256.004
Yxy	2.9400, 0.3076, 0.3249
Android (android.graphics.Color)	4281282609 (0xFF2F3031)
YUV	47.8150, 0.5842, -0.7148
Hunter-Lab	17.1464, -1.0278, 0.4999

Details

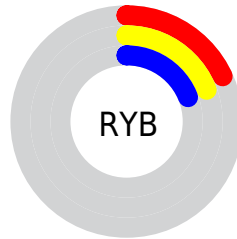
The Hex color **2F3031** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **31302F**, and the grayscale version is **303030**.

A 20% lighter version of the original color is **5D5E5F**, and **000001** is the 20% darker color. If you saturate the color by 10%, you get **2A2E31**, and if you desaturate by 10%, it is **343231**.

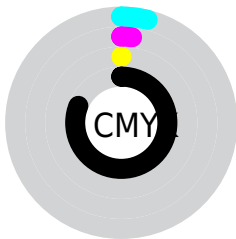
Distribution



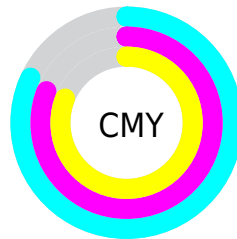
- Red (18%)
- Green (19%)
- Blue (19%)



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



- Cyan (4%)
- Magenta (2%)
- Yellow (0%)
- Black (81%)



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

Brightness & Saturation Gradients

These gradients show how the Hex color 2F3031 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 2F3031 by changing the saturation by 10% instead.

■ 2F3031

■ 2F3031

FFFFFF

■ 1A1B1C

■ 5D5E5F

■ 000001

■ 757778

■ 000000

■ 8F9091

■ A9ABAC

■ C5C6C7

■ E1E2E3

■ FDFFFF

■ 2F3031

■ 2F3031

■ 2A2E31

■ 343231

■ 252B31

■ 393531

■ 202931

■ 3E3731

■ 1B2631

■ 433A31

■ 172431

■ 483C31

■ 122131

■ 4C3F31

■ 0D1F31

■ 514131

■ 081C31

■ 564431

■ 031A31

■ 5B4631

Harmonies

Analogous

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



2F3031



303031

Triad

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



2F3031



312F30



2F302F

Complementary

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



2F3031



31302F

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.



30302F



2F3031



31302F

Square

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



2F3031



313030



31302F



2F3030

Rectangle

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



2F3031



303031



31302F



30302F

Sweetspot

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



2F3031



3F3F40



2F3130



212121



A1A1A1

Same Dimension

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



2F3031



3D3E40



2F2F31



18191A



002D59



006CD9

Inverse Universe

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



312F30



403D3E



31312F



1A1819



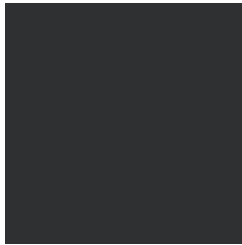
59002D



D9006C

Previews

White Background



This preview shows how the Hex color 2F3031 looks on a white background.

Color Contrast Check

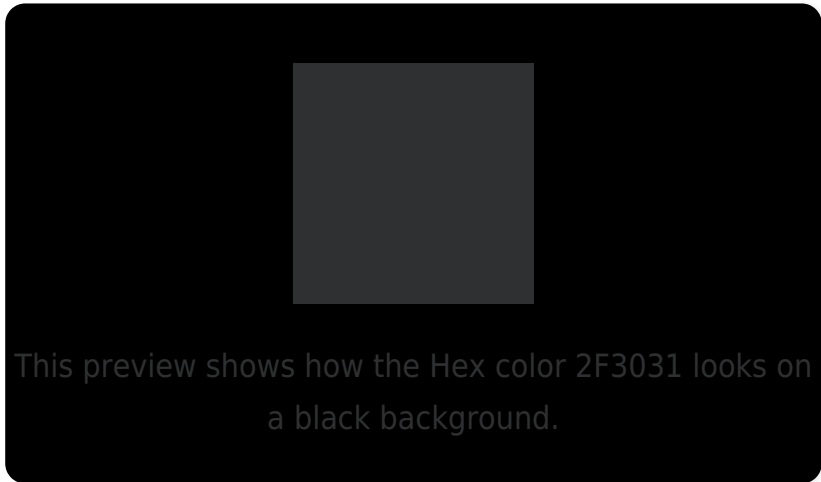
Large Text (above 18pt) WCAG AA ✓ Pass

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

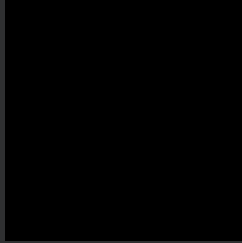
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

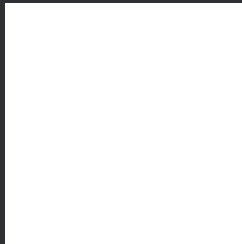
Any Text WCAG AAA × Fail

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

Hex 2F3031 Background



This preview shows how black text looks on a background with the Hex color 2F3031.

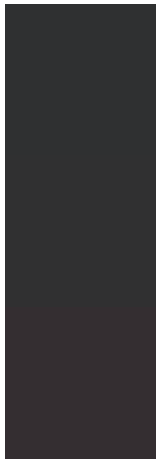


This preview shows how white text looks on a background with the Hex color 2F3031.

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

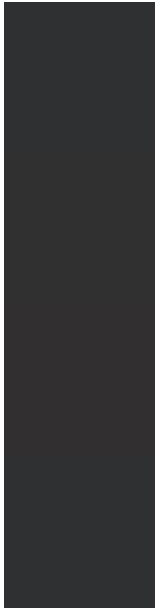


Original Color
2F3031

Protanopia
303031

Deuteranopia
342E31

Trichromacy



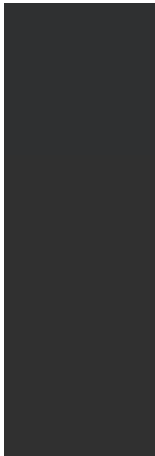
Original Color
2F3031

Protanomaly
303031

Deuteranomaly
322F31

Tritanomaly
2F3032

Monochromacy



Original Color
2F3031

Achromatopsia
303030

Achromatomaly
303030

CSS Examples

Text

The CSS property to change the color of the text to Hex 2F3031 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 #2F3031 looks like.

```
.text, #text, p{  
    color:#2F3031  
}
```

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 #2F3031 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2F3031
}
```

Border

The CSS property to change the border of an element to Hex 2F3031 is called "border". The border property can be set on classes, ids or directly on the HTML element.

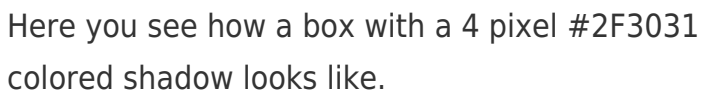
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#2F3031 }
```

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

```
.border{ border-color:#2F3031 }
```

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



Here you see how a box with a 4 pixel #2F3031 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2F3031; -webkit-box-shadow:4px 4px  
4px 4px #2F3031; box-shadow:4px 4px 4px  
4px #2F3031 }
```

Background

The CSS property to change the background color of an element to Hex 2F3031 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2F3031 }
```

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

```
.background{ background-color:#2F3031 }
```

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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